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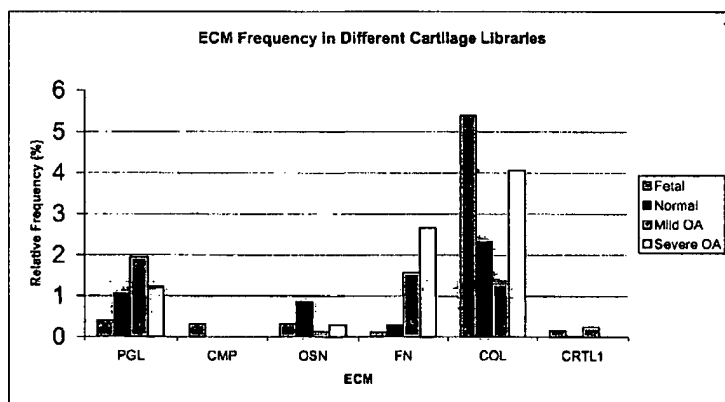
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[Continued on next page]

(54) Title: COMPOSITIONS AND METHODS RELATING TO OSTEOARTHRITIS

Relative EST Frequencies of Selected ECM Proteins



Legend: PGL=proteoglycan, CMP=cartilage matrix proteins, OSN=osteonection, FN=fibronectin, COL=collagens, CRT1=cartilage link protein

(57) Abstract: The invention provides for one or more polynucleotide sequences that are expressed in chondrocytes from any of the following developmental and disease stages: fetal, normal, mild, osteoarthritic, moderate osteoarthritic, marked and osteoarthritic. The invention also relates to arrays and compositions comprising any combination of these polynucleotide sequences. The invention also provides for methods of using the arrays of the invention to diagnose osteoarthritis. The invention also provides for methods of identifying therapeutic agents that alter the level of expression of the polynucleotides of the invention or alter the anabolic level of a chondrocyte.

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	Fetal	Normal	Mild	Severe				
<b>PROTEOGLYCANS</b>								
aggrecan (cartilage specific proteoglycan)	14	1	4	3				
chondroitin sulfate proteoglycan 2 (versican) (CSPG2)	1	4	2	0				
chondroitin sulfate proteoglycan 4 (melanin-associated) (CSPG4)	3	0	0	0				
dermatan sulfate proteoglycan 3 (DSPG3)	7	0	0	0				
heparan sulfate proteoglycan (HSPG)	9	4	4	12				
keratan (keratan sulfate proteoglycan)	2	0	0	0				
bone/cartilage proteoglycan 1 precursor (Biglycan) (PG-S1)	2	1	1	4				
decorin (chondroitin/dermatan sulfate proteoglycan PG40=DCN)	14	172	234	184				
Total	52	182	245	173				
	%	%	%	%				
Proteoglycans	52	0.30	1.06	1.94	1.22			
cartilage matrix protein (CMP) genes	42	0.31	0	0.00	0	0.00		
osteonection (secreted protein, acidic, cysteine-rich SPARC)	42	0.31	149	0.87	15	0.12	42	0.30
fibronectin	16	0.12	50	0.29	188	1.57	379	2.67
Collagen	722	5.39	401	2.34	184	1.30	578	4.08
cartilage link protein (CRT1) (ORP)	20	0.15	2	0.01	31	0.25	1	0.01
Total	894	784	853	1173				



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**COMPOSITIONS AND METHODS RELATING TO OSTEOARTHRITIS****Field of the Invention**

The invention relates to the profiling of differential gene expression in specific human tissue types through the construction and use of cDNA libraries and microarrays.

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**1. Background of the Invention**

Osteoarthritis (OA) is a chronic disease in which the articular cartilage that lies on the ends of bones that forms the articulating surface of the joints gradually degenerates over time. There are many factors that are believed to predispose a patient to osteoarthritis including genetic susceptibility, obesity, accidental or athletic trauma, surgery, drugs and heavy physical demands. Osteoarthritis is initiated by damage to the cartilage of joints. The two most common injuries to joints are sports-related injuries and long term "repetitive use" joint injuries. Joints most commonly affected by osteoarthritis are the knees, hips and hands. In most cases, due to the essential weight-bearing function of the knees and hips, osteoarthritis in these joints causes much more disability than osteoarthritis of the hands. As cartilage degeneration progresses, secondary changes occur in other tissues in and around joints including bone, muscle, ligaments, menisci and synovium. The net effect of the primary failure of cartilage tissue and secondary damage to other tissues is that the patient experiences pain, swelling, weakness and loss of functional ability in the afflicted joint(s). These symptoms frequently progress to the point that they have a significant impact in terms of lost productivity and or quality of life consequences for the patient.

Articular cartilage is predominantly composed of chondrocytes, type II collagen, proteoglycans and water. Articular cartilage has no blood or nerve supply and chondrocytes are the only type of cell in this tissue. Chondrocytes are responsible for manufacturing the type II collagen and proteoglycans that form the cartilage matrix. This matrix in turn has physical-chemical properties that allow for saturation of the matrix with water. The net effect of this structural-functional relationship is that articular cartilage has exceptional wear characteristics and allows for almost frictionless movement between the articulating cartilage

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surfaces. In the absence of osteoarthritis, articular cartilage often provides a lifetime of pain-free weight bearing and unrestricted joint motion even under demanding physical conditions.

During fetal development, articular cartilage is initially derived from the interzone of mesenchymal condensations. The mesenchymal cells cluster together and synthesize matrix proteins. The tissue is recognized as cartilage when the accumulation of matrix separates the cells, which are spherical in shape and are now called chondrocytes. During cartilage formation and growth, chondrocytes proliferate rapidly and synthesize large volumes of matrix. Prior to skeletal maturity, chondrocytes are at their highest level of metabolic activity. As skeletal maturation is reached, the rate of chondrocyte metabolic activity and cell division declines. After completion of skeletal growth, most chondrocytes do not divide but do continue to synthesize matrix proteins such as collagens, proteoglycans and other noncollagenous proteins (1, 2).

Like all living tissues, articular cartilage is continually undergoing a process of renewal in which "old" cells and matrix components are being removed (catabolic activity) and "new" cells and molecules are being produced (anabolic activity). Relative to most tissues, the rate of anabolic/catabolic turnover in articular cartilage is low. Long-term maintenance of the structural integrity of mature cartilage relies on the proper balance between matrix synthesis and degradation. Chondrocytes maintain matrix equilibrium by responding to chemical and mechanical stimuli from their environment. Appropriate and effective chondrocyte responses to these stimuli are essential for cartilage homeostasis. Disruption of homeostasis through either inadequate anabolic activity or excessive catabolic activity can result in cartilage degradation and osteoarthritis (3). Most tissues that are damaged and have increased catabolic activity are able to mount an increased anabolic response that allows for tissue healing. Unfortunately, chondrocytes have very limited ability to up-regulate their anabolic activity and increase the synthesis of proteoglycan and type II collagen in response to damage or loss of cartilage matrix. This fundamental limitation of chondrocytes is the core problem that has precluded the development of therapies that can prevent and cure osteoarthritis. Additionally, there is a need for a definitive diagnostic test for

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detecting early osteoarthritis, and a prognostic test that effectively monitors a patient's response to therapy.

Joint pain is the most common manifestation of early osteoarthritis. The pain tends to be episodic lasting days to weeks and remitting spontaneously. Although redness and swelling of joints is uncommon, joints become tender during a flare-up of osteoarthritis.

"Mild" or "early stage osteoarthritis" is difficult to diagnose. The physician relies primarily on the patient's history and physical exam to make the diagnosis of mild osteoarthritis. X-rays do not show the underlying early changes in articular cartilage. There are no recognized biochemical markers used to confirm the diagnosis of early stage osteoarthritis.

X-ray changes confirm the diagnosis of moderate osteoarthritis. X-rays of normal joints reveal well preserved symmetrical joint spaces. Changes seen on the x-rays of patients with osteoarthritis include new bone formation (osteophytes), joint space narrowing and sclerosis (bone thickening). There are no recognized biochemical markers used to confirm the diagnosis of "moderate osteoarthritis" at this stage.

The clinical exam of a joint with severe osteoarthritis reveals tenderness, joint deformity and a loss of mobility. Passive joint movement during examination may elicit crepitus or the grinding of bone-on-bone as the joint moves. X-ray changes are often profound: the joint space may be obliterated and misalignment of the joint can be seen. New bone formation (osteophytes) is prominent. Again, there are no recognized biochemical markers used to confirm the diagnosis of "severe osteoarthritis".

"Osteoarthritis" is the most common chronic joint disease. It is characterized by progressive degeneration and eventual loss of cartilage. Currently, there is a need for an effective therapy that will alter the course of osteoarthritis. Further advances in preventing, modifying or curing the osteoarthritic disease process critically depends, at least in part, on a thorough understanding of the molecular mechanisms underlying anabolic and catabolic processes in cartilage. Since cellular functions are substantially determined by the genes that

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the cells express, elucidating the genes expressed in articular cartilage at different developmental and disease stages will inevitably provide new insights into the molecules and mechanisms involved in cartilage formation, injury, disease and repair.

cDNA libraries from putatively normal and severely osteoarthritic human cartilage tissue have been constructed (Kumar et al., 46<sup>th</sup> Annual Meeting, Orthopaedic Res. Soc., Abstract, p. 1031). However, this work does not adequately address the differentiation of chondrocyte gene expression from differing severities of osteoarthritic human cartilage (mild, moderate, marked and severe). In addition, the "normal cartilage" samples were obtained from deceased donors more than 24 hours after death. Thus, this cDNA library does not truly reflect normal chondrocyte gene expression due to the rapid degeneration of RNA that occurs after cessation of perfusion to the sampled joint, as demonstrated by baboon studies, presented herein below.

#### Summary of the Invention

The invention relates to one or more profiles of gene expression for human fetal articular cartilage, and the cartilage of normal, mildly, moderately, markedly and severely osteoarthritic individuals, and thus to a method for identifying genes that play critical roles in cartilage injury, repair and disease progression. Given the inherently low anabolic activity in adult chondrocytes, identification of key replicative and/or anabolic genes expressed by fetal but not adult chondrocytes, has important implications for developing novel disease modifying therapies for adult cartilage injury and osteoarthritis.

One aspect of the invention is to isolate chondrocyte enriched or chondrocyte-specific polynucleotide sequences.

In one embodiment, one or more polynucleotide sequences selected from the group consisting of the sequences identified in Figure 6A which correspond to genes 1-5807 identified in Figure 6 and sequences identified in Figure 13 are isolated.

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In another embodiment, a vector comprising one or more polynucleotide sequences selected from the sequences identified in Figure 6A corresponding to genes 1-5807 of Figure 6 and sequences identified in Figure 13 are constructed.

In yet another embodiment, a host cell comprising said vector is constructed.

- 5 Another aspect of the invention is to provide a composition comprising one or more chondrocyte enriched or chondrocyte-specific polynucleotide sequences.

- Another aspect of the invention is to provide a composition comprising one or more chondrocyte enriched or chondrocyte-specific polynucleotide sequences isolated from one or more of (a) a fetus, (b) normal, (c) mildly osteoarthritic, (d) moderately osteoarthritic, (e) 10 markedly osteoarthritic, or (f) severely osteoarthritic cartilage samples.

Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences selected from the group of sequences identified in Figure 6B which are isolated from a fetal cDNA library as disclosed herein.

- Another embodiment of the invention provides a composition comprising one or more 15 polynucleotide sequences selected from the group of sequences identified in Figure 6C which are isolated from a normal cDNA library as disclosed herein.

Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences selected from the group of sequences identified in Figure 6D which are isolated from a mild osteoarthritic chondrocyte library as disclosed herein.

- 20 Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences selected from the group of sequences identified in Figure 6E which are isolated from a severe osteoarthritic chondrocyte library as disclosed herein.

- Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences selected from the group of sequences identified in Figures 6B, 6C, 25 6D and 6E.

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Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences where at least one of said polynucleotide sequences is differentially expressed in cartilage from a patient diagnosed with mild osteoarthritis relative to cartilage from a normal individual, wherein cartilage isolated from the normal individual is isolated  
5 from cartilage tissue obtained less than 14 hours post-mortem.

Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences where at least one of the polynucleotide sequences is differentially expressed in cartilage from a patient diagnosed with severe osteoarthritis relative to cartilage derived from a normal individual, wherein cartilage isolated from the normal individual is  
10 isolated from cartilage tissue obtained less than 14 hours post-mortem.

Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences wherein at least one of the polynucleotide sequences is differentially expressed in cartilage from a patient diagnosed with moderate osteoarthritis relative to cartilage from a normal individual, wherein cartilage isolated from the normal individual is  
15 isolated from cartilage tissue obtained less than 14 hours post-mortem.

Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences wherein at least one of the polynucleotide sequences is differentially expressed in cartilage from a patient diagnosed with marked osteoarthritis relative to cartilage derived from a normal individual, wherein cartilage isolated from the normal individual is  
20 isolated from cartilage tissue obtained less than 14 hours post-mortem.

Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences wherein at least one of the polynucleotide sequences is differentially expressed in cartilage isolated from any two or more of the following sources (a) fetus, or (b) patient with mild osteoarthritis, (c) patient with moderate osteoarthritis, (d) patient with  
25 marked osteoarthritis, (e) patient with severe osteoarthritis or (f) cartilage isolated from cartilage tissue obtained from a normal individual.

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Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences identified in Figure 9 and/or sequences identified in Figure 6A which correspond to the genes disclosed in Figure 9.

- 5 Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences identified in Figure 11 and/or those sequences identified in Figure 6A which correspond to the genes disclosed in Figure 11.

Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences identified in Figure 6A which correspond to the genes disclosed in Figures 15 and Figures 16.

- 10 Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences identified in Figure 6A which correspond to the genes disclosed in Figure 6.

Another embodiment of the invention provides a composition comprising one or more polynucleotide sequences selected from sequences identified Figure 13.

- 15 A further aspect of the invention relates to nucleic acid arrays comprising a plurality of chondrocyte enriched or chondrocyte-specific nucleic acid member sequences.

- In one embodiment, the invention provides an array comprising a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage from a patient diagnosed with mild osteoarthritis, as compared to cartilage from a normal individual,  
20 and a solid substrate, wherein each nucleic acid member has a unique position on the array and is stably associated with the solid substrate.

In another embodiment, the invention provides an array comprising a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with severe osteoarthritis, as compared to cartilage from a

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normal individual, and a solid substrate, wherein each nucleic acid member has a unique position on the array and is stably associated with the solid substrate.

5 In another embodiment, the invention provides an array comprising a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with moderate osteoarthritis, as compared to cartilage from a normal individual, and a solid substrate, wherein each nucleic acid member has a unique position on the array and is stably associated with the solid substrate.

10 In another embodiment, the invention provides an array comprising a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with marked osteoarthritis, as compared to cartilage from a normal individual, and a solid substrate, wherein each nucleic acid member has a unique position on the array and is stably associated with the solid substrate.

15 In another embodiment, the invention provides an array comprising a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a fetus, as compared to cartilage from a normal individual, and a solid substrate, wherein each nucleic acid member has a unique position on the array and is stably associated with the solid substrate.

In a preferred embodiment, cartilage is isolated from a living normal individual.

20 In another preferred embodiment, the cartilage is isolated from the normal individual in less than 14 hours post-mortem.

In another embodiment, the invention provides an array comprising a plurality of nucleic acid members and a solid substrate, where at least one member is differentially expressed in cartilage isolated from any two or more of the following sources: (a) a fetus, (b) patient with mild osteoarthritis, (c) patient with moderate osteoarthritis, (d) patient with marked osteoarthritis, (e) patient with severe osteoarthritis or (f) cartilage isolated from a

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normal individual and where each nucleic acid member has a unique position on the array and is stably associated with the solid substrate.

In one embodiment, each nucleic acid member on an array according to the invention, is at least 50 nucleotides.

5 In another embodiment, an array according to the invention comprises from 10 to 20,000 positions.

In yet another embodiment, an array according to the invention further includes negative and positive control sequences and RNA quality control sequences. Control sequences can be selected from the group consisting of cDNA sequences of housekeeping  
10 genes, plant gene sequences (and/or their cDNA sequences), bacterial sequences, PCR products, vector sequences, and combinations thereof.

Another aspect of the invention relates to novel methods for diagnosing osteoarthritis.

In one embodiment, a method for diagnosing mild osteoarthritis in a patient comprises hybridizing a nucleic acid sample corresponding to RNA (e.g., a sample comprising RNA or  
15 cDNA or amplified products of RNA or cDNA) to an array comprising a solid substrate and a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with mild osteoarthritis, as compared to cartilage isolated from a normal individual and wherein each nucleic acid member has a unique position and is stably associated with the solid substrate. The cartilage isolated from the  
20 normal individual is isolated from cartilage tissue less than 14 hours post-mortem. Hybridization of the nucleic acid sample to one or more of the nucleic acid members is indicative of mild osteoarthritis.

In another embodiment, a method of diagnosing moderate osteoarthritis in a patient comprises hybridizing a nucleic acid sample corresponding to RNA to an array comprising a  
25 solid substrate and a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with moderate

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osteoarthritis, as compared to cartilage isolated from a normal individual and wherein each nucleic acid member has a unique position and is stably associated with the solid substrate. Cartilage isolated from the normal individual is isolated from cartilage tissue less than 14 hours post-mortem. Hybridization of the nucleic acid sample to one or more of the nucleic acid members on the array is indicative of moderate osteoarthritis.

In yet another embodiment, a method of diagnosing marked osteoarthritis in a patient comprises hybridizing a nucleic acid sample corresponding to RNA to an array comprising a solid substrate and a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with marked osteoarthritis, as compared to cartilage isolated from a normal individual and each nucleic acid member has a unique position and is stably associated with the solid substrate. Like the above arrays, cartilage isolated from the normal individual is isolated from cartilage tissue less than 14 hours post-mortem. Hybridization of the nucleic acid sample to one or more of the nucleic acid members is indicative of marked osteoarthritis.

In a further embodiment, a method of diagnosing severe osteoarthritis in a patient comprises hybridizing a nucleic acid sample corresponding to RNA to an array comprising a solid substrate and a plurality of nucleic acid members wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with severe osteoarthritis, as compared to cartilage isolated from a normal individual and each nucleic acid member has a unique position and is stably associated with the solid substrate. Like the above arrays, cartilage from the normal individual is isolated from cartilage tissue less than 14 hours post-mortem. Hybridization of the nucleic acid sample to one or more of the nucleic acid members is indicative of severe osteoarthritis.

In a preferred embodiment, the method of diagnosis comprises isolating a cartilage sample from a patient at a specific stage of osteoarthritis (e.g., mild, moderate, marked, or severe).

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In another preferred embodiment, the method of diagnosis further comprises the step of preparing an RNA sample from a cartilage sample.

In another preferred embodiment, the method of diagnosis further comprises the step of preparing an RNA sample from blood.

5 In another preferred embodiment, the method of diagnosis further comprises the step of preparing an RNA sample from synovial fluid.

Another aspect of the invention relates to a method of identifying an agent that increases or decreases the expression of one or more polynucleotide sequences that are differentially expressed in a chondrocyte derived from a fetus or from patient(s) with a chondrocyte disease selected from the group consisting of: mild osteoarthritis, moderate osteoarthritis, marked osteoarthritis and severe osteoarthritis. The method comprises incubating a chondrocyte isolated from a cartilage sample obtained from a normal individual less than 14 hours post-mortem with a candidate agent. RNA is isolated from the chondrocyte and a probe is hybridized to the RNA which corresponds to a polynucleotide sequence which is differentially expressed in a chondrocyte from any two or more of the following developmental or disease stages: a fetus, normal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic. Differential hybridization of the probe to the RNA from normal individual(s) relative to hybridization of the probe to RNA from any one or more of: fetus(es), patient(s) with mild osteoarthritis, patient(s) with moderate osteoarthritis, patient(s) with marked osteoarthritis and patient(s) with severe osteoarthritis identifies the RNA which specifically hybridizes to the probe as a differentially expressed chondrocyte-specific polynucleotide sequence and identifies the candidate agent as one which increases or decreases the expression of the chondrocyte-specific polynucleotide sequence.

25 The method also can be performed by evaluating cDNA corresponding to RNAs obtained from chondrocytes.

This method also can be performed by evaluating cDNA corresponding to RNAs obtained from blood.

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This method also can be performed by evaluating cDNA corresponding to RNAs obtained from synovial fluid.

The invention further relates to methods of preparing chondrocyte cDNA libraries.

In one embodiment, a method of preparing a chondrocyte cDNA library comprises: a)  
5 isolating chondrocytes from a cartilage sample from a normal individual, wherein the cartilage sample is obtained less than 14 hours post-mortem, b) isolating total RNA from the chondrocytes, c) synthesizing cDNA from the mRNA in the total RNA, and d) ligating the cDNA into a vector.

In another embodiment, a method of preparing a chondrocyte cDNA library comprises:  
10 a) isolating chondrocytes from a cartilage sample from a normal individual, wherein the normal individual is living, b) isolating total RNA from the chondrocytes, c) synthesizing cDNA from mRNA in the total RNA, and d) ligating the cDNA into a vector.

In another embodiment, a method of preparing a chondrocyte cDNA library comprises: a) isolating chondrocytes from a cartilage sample from a fetus, b) isolating total  
15 RNA from the chondrocytes, c) synthesizing cDNA from mRNA in the total RNA, and d) ligating the cDNA into a vector.

In another embodiment, a method of preparing a chondrocyte cDNA library is provided comprising, a) isolating chondrocytes from a cartilage sample from a patient diagnosed with mild, moderate, marked or severe osteoarthritis, b) isolating total RNA from  
20 the chondrocytes, c) synthesizing cDNA from mRNA in the total RNA, and d) ligating the cDNA into a vector.

The invention also relates to a method of making an array which comprises a plurality of nucleic acid members comprising nucleic acid sequences selected from the group consisting of sequences of Figure 14 on a solid support comprising a surface with a plurality  
25 of pre-selected unique regions. The method comprises: spotting each nucleic acid member

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individually onto a unique pre-selected region, and stably associating each nucleic acid member with the solid support at the pre-selected region.

5 In a preferred embodiment, at least one nucleic acid member is differentially expressed in cartilage isolated from a patient diagnosed with mild, moderate, marked, or severe osteoarthritis, as compared to cartilage isolated from a normal individual, wherein cartilage isolated from the normal individual is isolated from cartilage tissue less than 14 hours post-mortem.

10 In another preferred embodiment, at least one nucleic acid member is differentially expressed in cartilage isolated from a patient diagnosed with mild, moderate, marked, or severe osteoarthritis, as compared to cartilage isolated from a fetus.

In another preferred embodiment, at least one nucleic acid member is differentially expressed in cartilage isolated from a fetus, as compared to a cartilage isolated from a normal individual, wherein cartilage isolated from the normal individual is isolated from cartilage tissue less than 14 hours post-mortem.

15 In another preferred embodiment, at least one nucleic acid member is differentially expressed in cartilage isolated from any two of the following sources: (a) fetus, (b) a normal individual wherein cartilage isolated from the normal individual is isolated from cartilage tissue less than 14 hours post-mortem, and (c) a patient diagnosed with mild osteoarthritis, (d) a patient diagnosed with moderate osteoarthritis, (e) a patient diagnosed with marked  
20 osteoarthritis, or (f) a patient diagnosed with severe osteoarthritis.

The invention also provides kits comprising one or more of the compositions and/or arrays described above and packaging means therefore.

#### **Brief Description of the Drawings**

25 The objects and features of the invention can be better understood with reference to the following detailed description and drawings.

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Figure 1, is a graph according to one embodiment of the invention showing the relative EST frequency level of selected extracellular matrix (ECM) proteins among the fetal, normal, mildly osteoarthritic and severe osteoarthritic cartilage cDNA libraries. The percentages were calculated by dividing the number of ESTs matched to a certain type of ECM protein by the total number of ECM ESTs per library. Legend: COL=collagen, PGL=proteoglycan, CMP=cartilage matrix proteins, OSN=osteonectin, FN=fibronectin, CRTL 1=cartilage link protein.

Figure 2, is a graph according to one embodiment of the invention showing the relative EST frequency level of collagens among the fetal, normal, mildly osteoarthritic and severely osteoarthritic cartilage cDNA libraries. The percentages were calculated by dividing the total number of collagen ESTs in a particular library by the total number of collagen ESTs from the four cartilage libraries.

Figure 3, is a graph according to one embodiment of the invention showing the relative EST levels of specific collagen types among the fetal, normal, mildly osteoarthritic and severely osteoarthritic cartilage cDNA libraries. Percentages were calculated by dividing the total number of ESTs for each type of collagen in a particular library by the total number of collagen ESTs from each library.

Figure 4, is a graph according to one embodiment of the invention showing the relative EST frequency level of selected chondrocyte genes among the fetal, normal, mild osteoarthritic and severe osteoarthritic cDNA libraries. Percentages were calculated by dividing the number of ESTs for each gene by the total number of unique genes in each library. Legend: DCN=decorin/chondroitin dermatan sulfate proteoglycan (PG40), HSP90=heatshock protein 90/alpha gene sequence, MSF=megakaryocyte stimulating factor/proteoglycan 4/superficial zone protein, B2M=beta 2 microglobulin, MGP=matrix Gla protein, LUM=lumican, TB4=thymosin beta 4, OSF-2=mRNA for osteoblast specific factor 2, CHI=chitinase, Vim=vimentin.

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Figure 5, is a table according to one embodiment of the invention showing the total number of ESTs in each of the four cDNA libraries and the breakdown of what the ESTs represent, including the number of novel sequences (ie. ESTs with no significant match) in each library.

5        Figure 6, is a table according to one embodiment of the invention listing the unique known genes (5,807) identified in the four cDNA libraries to date.

Figure 6A, is a table according to one embodiment of the invention listing the names of the EST sequences identified in the four cDNA libraries that represent each of the unique known genes identified in Figure 6.

10       Figure 6B, is a table according to one embodiment of the invention listing the names of all of the EST sequences identified from the cDNA library constructed from fetal cartilage tissue.

Figure 6C, is a table according to one embodiment of the invention listing the names of all of the EST sequences identified from the cDNA library constructed from normal  
15       cartilage tissue where such tissue is obtained less than 14 hours post-mortem.

Figure 6D, is a table according to one embodiment of the invention listing the names of all of the EST sequences identified from the cDNA library constructed from cartilage of patients with mild osteoarthritis.

Figure 6E, is a table according to one embodiment of the invention listing the names  
20       of all of the EST sequences identified from the cDNA library constructed from cartilage of patients with severe osteoarthritis.

Figure 7, is a table according to one embodiment of the invention showing the characterization of the total number of ESTs from the four cDNA libraries (57,422) based on the functional classification of unique known genes represented by the ESTs.

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Figure 8, is a list of known and novel EST clones from the mild and severe cDNA libraries comprising a microarray according to one embodiment of the invention.

Figure 9, is a table showing candidate upregulated genes detected in the mild osteoarthritis cDNA library based on the microarray analysis according to one embodiment of the invention.

Figure 10, is a table showing candidate down-regulated genes detected in the mild osteoarthritis cDNA library based on the microarray analysis according to one embodiment of the invention.

Figure 11, is a table showing candidate up-regulated genes detected in the severe osteoarthritis cDNA library based on the microarray analysis according to one embodiment of the invention.

Figure 12, is a table showing candidate down-regulated genes detected in the severe osteoarthritic cDNA library based on the microarray analysis according to one embodiment of the invention.

Figure 13, is a table listing the EST sequence names representing novel sequences identified in each of the four cDNA libraries to date according to one embodiment of the invention.

Figure 14, is a CD ROM, attached hereto, containing all of the EST sequences identified from the four human cartilage cDNA libraries according to one embodiment of the invention. The names of all of the EST sequences on the CD-ROM are listed in Figures 6B, 6C, 6D and 6E.

Figure 15, contains a list of genes that have been identified through EST frequency analysis as being differentially expressed between fetal and normal cDNA libraries according to one embodiment of the invention.



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Figure 16, contains a list of genes that have been identified through EST frequency analysis as being differentially expressed between mild and severe osteoarthritis cDNA libraries according to one embodiment of the invention.

5 Figure 17, is a bar graph showing the level of beta-2 microglobulin (B2M) in synovial fluid from normal individuals and patients with different stages of osteoarthritis according to one embodiment of the invention. Legend: nor=normal individual, mioa=patient with mild osteoarthritis, mooa=patient with moderate osteoarthritis, maoa=patient with marked osteoarthritis, seoa=patient with severe osteoarthritis.

10 Figure 18, is a bar graph showing the level of beta 2 microglobulin (B2M) in medium cultured from cartilage from patients with severe osteoarthritis at varying time periods during culturing according to one embodiment of the invention.

Figure 19, is a black and white representation of a two-color fluorescent scan, according to one embodiment of the invention, showing genes preferentially expressed in non-B2M-treated chondrocytes (which would appear as green spots) and genes preferentially  
15 expressed in B2M-treated chondrocytes (which would appear as reddish spots). Genes expressed at approximately equal levels would appear as yellow spots. B2M=beta 2 microglobulin.

#### **Detailed Description of the Invention**

20 The invention relates to methods of profiling gene sequences expressed in human chondrocytes to identify differential gene expression in chondrocytes at different stages of development and disease. Differentially expressed genes and their products (e.g., mRNAs and proteins) can be used in methods for diagnosis, prognosis, screening, or treatment of osteoarthritis.

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Definitions

The following definitions are provided for specific terms which are used in the following written description.

5 As used herein, "osteoarthritis" refers to a chronic disease in which the articular cartilage that lies on the ends of bones that form the articulating surface of the joints gradually degenerates over time. Cartilage degeneration can be caused by an imbalanced catabolic activity (removal of "old" cells and matrix components) and anabolic activity (production of "new" cells and molecules) (Westacott et al., 1996, *Semin Arthritis Rheum*, 25:254-72).

10 As used herein, "cartilage" or "articular cartilage" refers to elastic, translucent connective tissue in mammals, including human and other species. Cartilage is composed predominantly of chondrocytes, type II collagen, small amounts of other collagen types, other noncollagenous proteins, proteoglycans and water, and is usually surrounded by a perichondrium, made up of fibroblasts, in a matrix of type I and type II collagen as well as other proteoglycans. Although most cartilage becomes bone upon maturation, some cartilage  
15 remains in its original form in locations such as the nose, ears, knees, and other joints. The cartilage has no blood or nerve supply and chondrocytes are the only type of cell in this tissue.

As used herein, "chondrocyte" refers to cartilage cells.

As used herein, "synovial fluid" refers to fluid secreted from the "synovial sac" which surrounds each joint. Synovial fluid serves to protect the joint, lubricate the joint and provide  
20 nourishment to the articular cartilage. Synovial fluid useful according to the invention contains cells from which RNA can be isolated according to methods well known in the art as described herein.

As used herein, the term "osteoarthritis (OA) staging" or "osteoarthritis (OA) grading" refers to determining the degree of advancement or progression of the disease in the cartilage.  
25 In order to classify cartilage into different disease stages, a scoring system is used according to known methods in the art. Preferably the scoring system described in Marshall (Marshall W.,

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1996, *The Journal of Rheumatology*, 23:582-584, incorporated by reference) is used. According to this method, each of the 6 articular surfaces (patella, femoral trochlea, medial femoral condyle, medial tibial plateau, lateral femoral condyle and lateral tibial plateau) is assigned a cartilage grade based on the worst lesion present on that specific surface. A scoring system is then applied in which each articular surface receives an OA severity number value that reflects the cartilage severity grade for that surface. For example, if the medial femoral condyle has a grade I lesion as its most severe cartilage damage a value of 1 is assigned. A total score for the patient is then derived from the sum of the scores on the 6 articular surfaces. Based on the total score, each patient is placed into one of 4 OA groups: mild (early) (1-6), moderate (7-12), marked (13-18) and severe (>18).

As used herein, "diagnosis" refers to a process of determining if an individual is afflicted with a disease or ailment. "Diagnosis of OA" or "OA diagnosis", according to the invention, means determining if an individual is afflicted with OA, or, once a patient is diagnosed, determining the OA stage or grade as used herein based on the medical history and physical examination of the patient using methods known in the art (i.e., joint X ray). Preferably, OA stages are measured using the scoring system described by Marshall, *supra*. "Prognosis of OA" refers to a prediction of the probable occurrence and/or progression of OA in a patient, as well as the likelihood of recovery from OA, or the likelihood of ameliorating symptoms of OA or the likelihood of reversing the effects of OA.

As used herein, "patient" refers to a mammal who is diagnosed with a mild, moderate, marked, or severe form of OA.

As used herein, "normal" refers to an individual who has not shown any OA symptoms or has not been diagnosed with cartilage injury or OA. "Normal", according to the invention, also refers to a sample taken from a normal individual within 14 hours post-mortem. A normal cartilage tissue sample, for example, refers to the whole or a piece of cartilage isolated from cartilage tissue within 14 hours post-mortem from an individual who was not diagnosed with OA and whose corpse does not show any symptoms of OA at the time of tissue removal. In alternative embodiments of the invention, the "normal" cartilage tissue

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sample is isolated from cartilage tissue less than 14 hours post-mortem, e.g., within 13 hours, 12 hours, 11 hours, 10 hours, 9 hours, 8 hours, 7 hours, 6 hours, 5 hours, 4 hours, 3 hours, 2 hours, or 1 hour post-mortem. In one embodiment of the invention, the "normal" cartilage sample is isolated at 14 hours post-mortem and the integrity of mRNA samples extracted is confirmed.

As used herein, "mRNA integrity" refers to the quality of mRNA extracts from cartilage samples. mRNA extracts with good integrity do not appear to be degraded when examined by methods well known in the art, for example, by RNA agarose gel electrophoresis (e.g., Ausubel et al., John Wiley & Sons, Inc., 1997, *Current Protocols in Molecular Biology*). Preferably, the mRNA samples have good integrity (e.g., less than 10%, preferably, less than 5%, and more preferably, less than 1% of the mRNA is degraded) to truly represent the gene expression levels of the cartilage samples from which they are extracted.

As used herein, "fetal" cartilage samples refer to samples taken from a fetus. The chondrocytes of fetal cartilage have a higher level of metabolic activity and cell division rates as compared to chondrocytes from cartilage derived from either a normal adult or from an adult diagnosed with any stage of OA (mild, moderate, marked and severe).

As used herein, "polynucleotide(s)", which includes "nucleic acid(s)" "nucleic acid sequences", "sequences" and "Express Sequence Tags"(EST(s)), generally refers to any polyribonucleotide or poly-deoxyribonucleotide, which may be unmodified RNA or DNA or modified RNA or DNA. "Polynucleotides" include, without limitation, single- and double-stranded nucleic acids. As used herein, the term "polynucleotide(s)" also includes DNAs or RNAs as described above, that contain one or more modified bases. Thus, DNAs or RNAs with backbones modified for stability or for other reasons are "polynucleotides". The term "polynucleotides" as it is used herein embraces such chemically, enzymatically or metabolically modified forms of polynucleotides, as well as the chemical forms of DNA and RNA characteristic of viruses and cells, including for example, simple and complex cells.

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As used herein, "isolated" or "purified" when used in reference to a nucleic acid means that a naturally occurring sequence has been removed from its normal cellular (e.g., chromosomal) environment or is synthesized in a non-natural environment (e.g., artificially synthesized). Thus, an "isolated" or "purified" sequence may be in a cell-free solution or placed in a different cellular environment. The term "purified" does not imply that the sequence is the only nucleotide present, but that it is essentially free (about 90-95% pure) of non-nucleotide material naturally associated with it, and thus is distinguished from isolated chromosomes.

As used herein, the term "probe" refers to an oligonucleotide which forms a duplex structure with a sequence in the target nucleic acid, due to complementarity of at least one sequence in the probe with a sequence in the target region.

As defined herein, a "nucleic acid array" refers a plurality of unique nucleic acids (or "nucleic acid members") attached to one surface of a solid support at a density exceeding 20 different nucleic acids/cm<sup>2</sup> wherein each of the nucleic acid members is attached to the surface of the solid support in a non-identical pre-selected region. In one embodiment, the nucleic acid member attached to the surface of the solid support is DNA. In a preferred embodiment, the nucleic acid member attached to the surface of the solid support is cDNA. In another preferred embodiment, the nucleic acid member attached to the surface of the solid support is cDNA synthesized by polymerase chain reaction (PCR). Preferably, a nucleic acid member of the array according to the invention is at least 50 nucleotides in length. Preferably, a nucleic acid member of the array is less than 6,000 nucleotides in length. More preferably, a nucleic acid member of the array comprises an array less than 500 nucleotides in length. In one embodiment, the array comprises at least 500 different nucleic acid members attached to one surface of the solid support. In another embodiment, the array comprises at least 10 different nucleic acid members attached to one surface of the solid support. In yet another embodiment, the array comprises at least 10,000 different nucleic acid members attached to one surface of the solid support. In yet another embodiment, the array comprises at least

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15,000 different nucleic acid members attached to one surface of the solid support. The term "nucleic acid", as used herein, is interchangeable with the term "polynucleotide".

As used herein, "a plurality of" or "a set of" refers to more than two, for example, 3 or more, 100 or more, or 1000 or more, or 10,000 or more.

5 As used herein, "attaching" or "spotting" refers to a process of depositing a nucleic acid onto a solid substrate to form a nucleic acid array such that the nucleic acid is irreversibly bound to the solid substrate via covalent bonds, hydrogen bonds or ionic interactions.

As used herein, "stably associated" refers to a nucleic acid that is irreversibly bound to a solid substrate to form an array via covalent bonds, hydrogen bonds or ionic interactions  
10 such that the nucleic acid retains its unique pre-selected position relative to all other nucleic acids that are stably associated with an array, or to all other pre-selected regions on the solid substrate under conditions in which an array is typically analyzed (i.e., during one or more steps of hybridization, washes, and/or scanning, etc.).

As used herein, "solid substrate" or "solid support" refers to a material having a rigid  
15 or semi-rigid surface. The terms "substrate" and "support" are used interchangeably herein with the terms "solid substrate" and "solid support". The solid support may be biological, non-biological, organic, inorganic, or a combination of any of these, existing as particles, strands, precipitates, gels, sheets, tubing, spheres, beads, containers, capillaries, pads, slices, films, plates, slides, chips, etc. Often, the substrate is a silicon or glass surface,  
20 (poly)tetrafluoroethylene, (poly)vinylidendifluoride, polystyrene, polycarbonate, a charged membrane, such as nylon 66 or nitrocellulose, or combinations thereof. In a preferred embodiment, the solid support is glass. Preferably, at least one surface of the substrate will be substantially flat. Preferably, the surface of the solid support will contain reactive groups, including, but not limited to, carboxyl, amino, hydroxyl, thiol, and the like. In one  
25 embodiment, the surface is optically transparent.

As used herein, "pre-selected region", "predefined region", or "unique position" refers to a localized area on a substrate which is, was, or is intended to be used for the deposit of a

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nucleic acid and is otherwise referred to herein in the alternative as a "selected region" or simply a "region." The pre-selected region may have any convenient shape, e.g., circular, rectangular, elliptical, wedge-shaped, etc. In some embodiments, a pre-selected region is smaller than about 1 cm<sup>2</sup>, more preferably less than 1 mm<sup>2</sup>, still more preferably less than 0.5 mm<sup>2</sup>, and in some embodiments less than 0.1 mm<sup>2</sup>. A nucleic acid member at a "pre-selected region", "predefined region", or "unique position" is one whose identity (e.g., sequence) can be determined by virtue of its position at the region or unique position.

As used herein, a "nucleic acid target" or "a target nucleic acid" is defined as a nucleic acid capable of binding to a nucleic acid member of complementary sequence through one or more types of chemical bonds, usually through complementary base pairing, i.e., through hydrogen bond formation. As used herein, a nucleic acid target may include natural (i. e., A, G, C, or T) or modified bases (7-deazaguanosine, inosine, etc.). In addition, the bases in nucleic acid probe may be joined by a linkage other than a phosphodiester bond, so long as it does not interfere with hybridization (i.e., the probe still specifically binds to its complementary sequence under standard stringent or selective hybridization conditions). Thus, nucleic acid targets may be peptide nucleic acids in which the constituent bases are joined by peptide bonds rather than phosphodiester linkages. Preferably, the nucleic acid targets are derived from human cartilage, blood or synovial fluid extracts. More preferably, the nucleic acid targets are single- or double-stranded DNA, RNA, or DNA-RNA hybrids, from human cartilage, blood or synovial fluid RNA extracts, and preferably from mRNA extracts.

As used herein, a "cartilage nucleic acid sample", refers to nucleic acids derived from cartilage. Preferably, a cartilage nucleic acid sample is RNA or is a nucleic acid corresponding to RNA, for example, cDNA.

As used herein, the term "hybridizing to" or "hybridization" refers to the hydrogen binding with a complementary nucleic acid, via an interaction between for example, a target nucleic acid sequence and a nucleic acid member in an array.

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As used herein, "specific hybridization" or "selective hybridization" refers to hybridization which occurs when two nucleic acid sequences are substantially complementary (at least about 65% complementary over a stretch of at least 14 to 25 nucleotides, preferably at least about 75%, more preferably at least about 90% complementary). See Kanehisa, M., 5 1984, *Nucleic acids Res.*, 12:203, incorporated herein by reference. As a result, it is expected that a certain degree of mismatch is tolerated. Such mismatch may be small, such as a mono-, di- or tri-nucleotide. Alternatively, a region of mismatch can encompass loops, which are defined as regions in which there exists a mismatch in an uninterrupted series of four or more nucleotides. Numerous factors influence the efficiency and selectivity of hybridization of two 10 nucleic acids, for example, a nucleic acid member on a array, to a target nucleic acid sequence. These factors include nucleic acid member length, nucleotide sequence and/or composition, hybridization temperature, buffer composition and potential for steric hindrance in the region to which the nucleic acid member is required to hybridize. A positive correlation exists between the nucleic acid member length and both the efficiency and accuracy with 15 which a nucleic acid member will anneal to a target sequence. In particular, longer sequences have a higher melting temperature ( $T_M$ ) than do shorter ones, and are less likely to be repeated within a given target sequence, thereby minimizing promiscuous hybridization. Hybridization temperature varies inversely with nucleic acid member annealing efficiency, as does the concentration of organic solvents, e.g., formamide, that might be included in a hybridization 20 mixture, while increases in salt concentration facilitate binding. Under stringent annealing conditions, longer nucleic acids, hybridize more efficiently than do shorter ones, which are sufficient under more permissive conditions.

As used herein, the term "differential hybridization" refers to a probe that can hybridize to a same polynucleotide sequence obtained from two or more samples at different 25 levels. A "differential hybridization" means that the ratio of the level of hybridization of the probe to the polynucleotide sequence isolated from one sample as compared to the polynucleotide sequence isolated from another sample is not equal to 1.0. For example, the ratio of the level of hybridization of the probe to the polynucleotide sequence isolated from one sample as compared to the polynucleotide sequence isolated from another sample is



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greater than or less than 1.0 and includes greater than 1.5 and less than 0.7 greater than 2 and less than 0.5. A differential hybridization also exists if the hybridization is detectable in one sample but not another sample.

As herein used, the term "standard stringent conditions" means hybridization will  
5 occur only if there is at least 95% and preferably, at least 97% identity between the sequences, wherein the region of identity comprises at least 10 nucleotides. In one embodiment, the sequences hybridize under stringent conditions following incubation of the sequences overnight at 42°C, followed by stringent washes (0.2X SSC at 65° C). As several factors affect the stringency of hybridization, the combination of parameters is more important than  
10 the absolute measure of a single factor.

As used herein, the term "level of expression" refers to the measurable expression level of a given nucleic acid. The level of expression of a nucleic acid is determined by methods well known in the art. The term "differentially expressed" or "changes in the level of expression" refers to an increase or decrease in the measurable expression level of a given  
15 nucleic acid. As used herein, "differentially expressed" when referring to microarray analysis means the ratio of the level of expression of a given polynucleotide in one sample and the expression level of the given polynucleotide in another sample is not equal to 1.0. "Differentially expressed" when referring to microarray analysis according to the invention also means the ratio of the expression level of a given polynucleotide in one sample and the  
20 expression level of the given polynucleotide in another sample where the ratio is greater than or less than 1.0 and includes greater than 1.5 and less than 0.7, as well as greater than 2.0 and less than 0.5. A nucleic acid also is said to be differentially expressed in two samples if one of the two samples contains no detectable expression of the nucleic acid. Absolute quantification of the level of expression of a nucleic acid can be accomplished by including  
25 known concentration(s) of one or more control nucleic acid species, generating a standard curve based on the amount of the control nucleic acid and extrapolating the expression level of the "unknown" nucleic acid species from the hybridization intensities of the unknown with respect to the standard curve. The level of expression is measured by hybridization analysis

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using labeled target nucleic acids according to methods well known in the art. The label on the target nucleic acid can be a luminescent label, an enzymatic label, a radioactive label, a chemical label or a physical label. Preferably, target nucleic acids are labeled with a fluorescent molecule. Preferred fluorescent labels include, but are not limited to: fluorescein, amino coumarin acetic acid, tetramethylrhodamine isothiocyanate (TRITC), Texas Red, Cy3 and Cy5.

As used herein "differentially expressed" when referring to EST analysis refers to the relative expression level of a gene based on the frequency of ESTs representing the gene derived from a cDNA library as compared to the frequency of ESTs representing the same gene derived from another cDNA library. As described herein, the "relative EST frequency" of an EST is calculated by dividing the number of ESTs representing each specific gene by the total number of ESTs analyzed. Differences in "relative EST frequency" may be used as an indication of differential gene expression.

As used herein, the term "significant match", when referring to nucleic acid sequences, means that two nucleic acid sequences exhibit at least 65% identity, at least 70%, at least 75%, at least 80%, at least 85%, and preferably, at least 90% identity, using comparison methods well known in the art (i.e., Altschul, S.F. et al., 1997, *Nucl. Acids Res.*, 25:3389-3402; Schäffer, A.A. et al., 1999, *Bioinformatics* 15:1000-1011). As used herein, "significant match" encompasses non-contiguous or scattered identical nucleotides so long as the sequences exhibit at least 65%, and preferably, at least 70%, at least 75%, at least 80%, at least 85%, and preferably, at least 90% identity, when maximally aligned using alignment methods routine in the art.

As used herein, a "novel sequence" or "novel expressed sequence tag (EST)" refers to a nucleic acid sequence which has no significant match to any existing sequence in the "nt", "nr", "est", "gss" and "htg" databases available through NCBI at the time each novel sequence was compared. "No significant match" preferably refers to a less than 65% match between a novel sequence being queried against other sequences in the database, and preferably, a less

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than 50% match, a less than 40% match, or a less than 30% match, after maximally aligning sequences using methods routine in the art.

As used herein, a "known sequence" refers to a nucleic acid sequence which has significant match to at least one existing sequence in the "nt", "nr", "est", "gss" and "htg" databases available through NCBI. "Known sequence with a function" refers to a nucleic acid with significant match to an existing sequence which encodes a polypeptide with a known function. "Known sequence with no function" refers to a nucleic acid that exhibits a significant match to an existing sequence which encodes a polypeptide of unknown function.

As used herein, a "chondrocyte-specific nucleic acid" is a nucleic acid sequence which is expressed at a detectable level in a chondrocyte and is not expressed at a detectable level in any other cell types as indicated by having no significant match to any sequence in any of the available databases comprising sequences from other cell types.

As used herein, a "chondrocyte enriched nucleic acid" or "chondrocyte enriched sequence" refers to a sequence which is differentially expressed in chondrocytes as compared to non-chondrocytes.

As used herein, "indicative of disease" refers to an expression pattern which is diagnostic of disease such that the expression pattern is found significantly more often in patients with a disease than in patients without the disease (as determined using routine statistical methods setting confidence levels at 95%). Preferably, an expression pattern which is indicative of disease is found in at least 70% of patients who have the disease and is found in less than 10% of patients who do not have the disease. More preferably, an expression pattern which is indicative of disease is found in at least 75%, at least 80%, at least 85%, at least 90%, at least 95% or more in patients who have the disease and is found in less than 10%, less than 8%, less than 5%, less than 2.5%, or less than 1% of patients who do not have the disease.

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As used herein, a "gene expression pattern" or "gene expression profile" comprises the pattern of expression of one or more of a set of nucleic acid sequences where one or more members of the set are differentially expressed.

5 As used herein, "a nucleic acid array expression profile" is generated from the hybridization of nucleic acids derived from a sample to one or more nucleic acid members comprising an array according to the invention.

As used herein, a "therapeutic agent" or "agent" refers to a compound that increases or decreases the expression of a polynucleotide sequence that is differentially expressed in a chondrocyte from any two of the following developmental or osteoarthritis disease stages: (a) fetal, (b) mild, (c) moderate, (d) marked and (e) severe, or (f) chondrocyte from a normal individual, as defined herein. A therapeutic agent according to the invention also refers to a compound that increases or decreases the anabolic activity of a chondrocyte. The invention provides for a "therapeutic agent" that 1) prevents the onset of osteoarthritis; 2) reduces, delays, or eliminates osteoarthritis symptoms such as pain, swelling, weakness and loss of functional ability in the afflicted joints; 3) reduces, delays, or eliminates cartilage degeneration, and/or enhances chondrocyte metabolic activity and cell division rates; and/or 4) restores one or more expression profiles of one or more disease-indicative nucleic acids of a patient to a profile more similar to that of a normal individual when administered to a patient.

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Identifying Chondrocyte Enriched and Chondrocyte-Specific Polynucleotide Sequences

20 cDNA libraries were constructed from human fetal, normal, mild osteoarthritic and severe osteoarthritic cartilage samples. The known and novel clones derived from these libraries were then used to construct human chondrocyte-specific microarrays to generate differential gene expression profiles useful as a diagnostic tool for detection of mild (early stage) osteoarthritis. Arrays of the invention are useful as a gold standard for osteoarthritis diagnosis and for use to identify and monitor therapeutic efficacy of new drug targets.

25

One effective and rapid way of characterizing gene expression patterns in a given tissue is through large-scale partial sequencing of a cDNA library produced from such a tissue

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to generate expressed sequence tags (ESTs). This approach has provided both quantitative and qualitative information on gene expression in a variety of tissues and cells (4-7). Since cDNA libraries represent gene transcription in the cells of the tissue used to construct the library, gene expression profiles generated by random sampling and sequencing is used for  
5 detailed genetic-level comparison between developmental, normal and pathological states of the tissue examined.

Many human genes are expressed at different levels in cartilage of different developmental (fetal vs. mature) or disease states. In some cases, a gene is not expressed at all in some developmental or disease states, and at high levels in others (see Figure 6, 15 and  
10 16 for examples). According to the invention, differential analysis of chondrocyte gene expression during different stages of cartilage developmental and in different disease states using an EST-based approach has identified genes that play important roles in osteoarthritis pathogenesis and cartilage repair. The advantage of this method is that it provides gene expression information on a larger scale than other methods. The cDNA clones generated by  
15 this approach are also useful for functional studies of certain genes. This type of genomic-based approach has provided important novel insights into our understanding of the osteoarthritis disease process and provides for novel diagnostic, prognostic and therapeutic approaches.

### Samples

#### 20 Cartilage

In one aspect, cartilage is obtained from a fetus using methods known in the art. The chondrocytes of fetal cartilage have a higher level of metabolic activity and cell division rates as compared to chondrocytes from cartilage from either a normal adult or from an individual diagnosed with any stage of osteoarthritis (mild, moderate, marked and severe).

25 In another aspect, cartilage is obtained from a normal individual who is alive or is obtained from cartilage tissue less than 14 hours post mortem, according to methods known in the art and described below. Normal articular cartilage from human adults are obtained using

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any known method. However, truly normal cartilage cannot generally be sampled from live donors due to ethical considerations. Preferably, normal cartilage samples are obtained from deceased donors, within a fourteen-hour post-mortem window after cessation of perfusion to the sampled joint, to minimize the degradation of RNA observed beyond the window. In other embodiments, the "normal" tissue is obtained less than 14 hours post-mortem, such as 13, 12, 11, 10, 9, 8, 6, 4, 2, or 1 hour post-mortem. A baboon study was conducted to confirm this approach and is described herein below in Example 11. Preferably the normal cartilage is obtained less than 14 hours post-mortem. More preferably, the normal cartilage is obtained less than 12 hours post-mortem.

10        Preferably, cartilage also is isolated from the following disease stages of osteoarthritis: mild, marked, moderate and severe. Human cartilage samples from osteoarthritic individuals are obtained using any known method. Preferably the cartilage is obtained from individuals undergoing arthroscopy or total knee replacements and samples are stored in liquid nitrogen until needed. In a preferred embodiment, a minimum of 0.05 g of cartilage sample is isolated to obtain 2 µg total RNA extract for the construction of a cDNA library. In another preferred embodiment, a minimum of 0.025 g cartilage sample is isolated to obtain 1 µg total RNA extract to use as a target sample for a microarray. A cartilage sample that is useful according to the invention is in an amount that is sufficient for the detection of one or more polynucleotide sequences according to the invention.

20                    *Blood and Synovial Fluid*

Samples useful according to the invention also include blood and synovial fluid samples.

In one aspect, blood is obtained from a normal patient or from an individual diagnosed with, or suspected of having, osteoarthritis according to methods of phlebotomy well known in the art. A blood sample useful according to the invention is in an amount ranging from 1 µl to 100ml, preferably 10 µl to 50 ml, more preferably 10 µl to 25ml and most preferably 10 µl to 1 ml. A blood sample that is useful according to the invention is in an amount that is

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sufficient for the detection of one or more polynucleotide sequences according to the invention. In one embodiment, polynucleotides contained within the blood sample are amplified, for example, by polymerase chain reaction (PCR) or by RT-PCR. Other amplification methods known in the art are also encompassed within the scope of the invention (e.g., ligase chain reaction, NASBA, 3SR, and the like).

A synovial fluid sample is obtained from an individual diagnosed with, or suspected of having osteoarthritis according to methods well known in the art. Preferably, synovial fluid is collected from a human knee joint by aspiration at arthroscopy. A synovial fluid sample useful according to the invention is in an amount ranging from 0.1 ml to 20 ml and preferably 0.5 ml to 10 ml. A synovial fluid sample that is useful according to the invention is in an amount that is sufficient for the detection of one or more polynucleotide sequences according to the invention.

Developmental and Disease Stages of Articular Cartilage

Chondrocytes are preferably obtained from any of the following developmental and disease stages: fetal, normal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic or severe osteoarthritic.

Cartilage isolated from a human fetus (e.g., during fetal development) is characterized above, and is useful according to the invention for analysis of fetal chondrocytes.

Cartilage isolated from a "normal" individual, defined herein, also is useful according to the invention for isolation and analysis of "normal" chondrocytes.

Cartilage isolated from a patient diagnosed with any one of: mild, moderate, marked and severe osteoarthritis also is useful in the present invention.

In order to classify cartilage according to disease state, a scoring system is used, whereby subjective decisions by the arthroscopist are minimized. The scoring system which defines disease states described herein is that of Marshall, *supra*, incorporated herein by

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reference. According to this method, each of the 6 articular surfaces (patella, femoral trochlea, medial femoral condyle, medial tibial plateau, lateral femoral condyle and lateral tibial plateau) is assigned a cartilage grade based on the worst lesion present on that specific surface. A scoring system is then applied in which each articular surface receives an

5 osteoarthritis severity number value that reflects the cartilage severity grade for that surface, as described in Table 1.

Table 1. Articular Cartilage Grading System		
Grade	Articular Cartilage	Points
0	Normal	0
I	Surface intact-softening, edema	1
II	Surface-disrupted-partial thickness lesions (no extension to bone)	2
III	Full thickness lesions-extensions to intact bone	3
IV	Bone erosion or eburnation	4

For example, if the medial femoral condyle has a grade I lesion as its most severe cartilage damage, a value of 1 is assigned. A total score for the patient is then derived from the sum of the scores of the 6 articular surfaces. Based on the total score, each patient is

10 placed into one of 4 osteoarthritis groups: mild (1-6), moderate (7-12), marked (13-18) and severe (>18).

#### RNA Preparation

In one aspect, RNA is isolated from cartilage samples from various disease or developmental stages as described herein. Samples can be from single patients or can be

15 pooled from multiple patients.

In another aspect, RNA is isolated directly from synovial fluid of persons with various disease or developmental stages of osteoarthritis as described herein. Samples can be from single patients or can be pooled from multiple patients.



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In another aspect, RNA is isolated directly from blood samples of persons with various disease or developmental stages of osteoarthritis as described herein. Samples can be from single patients or can be pooled from multiple patients.

Total RNA is extracted from the cartilage samples according to methods well known in the art. In one embodiment, RNA is purified from cartilage tissue according to the following method. Following removal of a tissue of interest from an individual or patient, the tissue is quick frozen in liquid nitrogen, to prevent degradation of RNA. Upon the addition of a volume of tissue guanidinium solution, tissue samples are ground in a tissuemizer with two or three 10-second bursts. To prepare tissue guanidinium solution (1 L) 590.8 g guanidinium isothiocyanate is dissolved in approximately 400 ml DEPC-treated H<sub>2</sub>O. 25 ml of 2 M Tris-Cl, pH 7.5 (0.05 M final) and 20 ml Na<sub>2</sub>EDTA (0.01 M final) is added, the solution is stirred overnight, the volume is adjusted to 950 ml, and 50 ml 2-ME is added.

Homogenized tissue samples are subjected to centrifugation for 10 min at 12,000 x g at 12°C. The resulting supernatant is incubated for 2 min at 65°C in the presence of 0.1 volume of 20% Sarkosyl, layered over 9 ml of a 5.7M CsCl solution (0.1g CsCl/ml), and separated by centrifugation overnight at 113,000 x g at 22°C. After careful removal of the supernatant, the tube is inverted and drained. The bottom of the tube (containing the RNA pellet) is placed in a 50 ml plastic tube and incubated overnight (or longer) at 4°C in the presence of 3 ml tissue resuspension buffer (5 mM EDTA, 0.5% (v/v) Sarkosyl, 5% (v/v) 2-ME) to allow complete resuspension of the RNA pellet. The resulting RNA solution is extracted sequentially with 25:24:1 phenol/chloroform/isoamyl alcohol, followed by 24:1 chloroform/isoamyl alcohol, precipitated by the addition of 3 M sodium acetate, pH 5.2, and 2.5 volumes of 100% ethanol, and resuspended in DEPC water (Chirgwin et al., 1979, *Biochemistry*, 18:5294).

Alternatively, RNA is isolated from cartilage tissue according to the following single step protocol. The tissue of interest is prepared by homogenization in a glass teflon homogenizer in 1 ml denaturing solution (4M guanidinium thiosulfate, 25 mM sodium citrate, pH 7.0, 0.1M 2-ME, 0.5% (w/v) N-laurylsarkosine) per 100mg tissue. Following transfer of

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the homogenate to a 5-ml polypropylene tube, 0.1 ml of 2 M sodium acetate, pH 4, 1 ml water-saturated phenol, and 0.2 ml of 49:1 chloroform/isoamyl alcohol are added sequentially. The sample is mixed after the addition of each component, and incubated for 15 min at 0-4°C after all components have been added. The sample is separated by centrifugation for 20 min at 10,000 x g, 4°C, precipitated by the addition of 1 ml of 100% isopropanol, incubated for 30 minutes at -20°C and pelleted by centrifugation for 10 minutes at 10,000 x g, 4°C. The resulting RNA pellet is dissolved in 0.3 ml denaturing solution, transferred to a microfuge tube, precipitated by the addition of 0.3 ml of 100% isopropanol for 30 minutes at -20°C, and centrifuged for 10 minutes at 10,000 x g at 4°C. The RNA pellet is washed in 70% ethanol, dried, and resuspended in 100-200µl DEPC-treated water or DEPC-treated 0.5% SDS (Chomczynski and Sacchi, 1987, *Anal. Biochem.*, 162:156).

Preferably, the cartilage samples are finely powdered under liquid nitrogen and total RNA is extracted using TRIzol® reagent (GIBCO/BRL).

Alternatively, RNA is isolated from blood by the following protocol. Lysis Buffer is added to blood sample in a ratio of 3 parts Lysis Buffer to 1 part blood (Lysis Buffer (1L) 0.6g EDTA; 1.0g KHCO<sub>2</sub>, 8.2g NH<sub>4</sub>Cl adjusted to pH 7.4 (using NaOH)). Sample is mixed and placed on ice for 5-10 minutes until transparent. Lysed sample is centrifuged at 1000 rpm for 10 minutes at 4°C, and supernatant is aspirated. Pellet is resuspended in 5ml Lysis Buffer, and centrifuged again at 1000 rpm for 10 minutes at 4°C. Pelleted cells are homogenized using TRIzol® (GIBCO/BRL) in a ratio of approximately 6ml of TRIzol® for every 10ml of the original blood sample and vortexed well. Samples are left for 5 minutes at room temperature. RNA is extracted using 1.2 ml of chloroform per 1 ml of TRIzol®. Sample is centrifuged at 12,000 x g for 5 minutes at 4°C and upper layer is collected. To upper layer, isopropanol is added in ratio of 0.5 ml per 1 ml of TRIzol®. Sample is left overnight at -20°C or for one hour at -20°C. RNA is pelleted in accordance with known methods, RNA pellet air dried, and pellet resuspended in DEPC treated ddH<sub>2</sub>O. RNA samples can also be stored in 75% ethanol wherein said samples are stable at room temperature for transportation.

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Alternatively, RNA is isolated from synovial fluid using TRIzol® reagent (GIBCO/BRL).

Purity and integrity of RNA is assessed by absorbance at 260/280nm and agarose gel electrophoresis followed by inspection under ultraviolet light.

5    Construction of cDNA libraries

cDNA libraries are constructed according to methods well known in the art (see for example Ausubel, *supra*, and Sambrook, *supra*, incorporated herein by reference).

10    In one aspect, cDNA samples, i.e., DNA that is complementary to RNA such as mRNA are prepared. The preparation of cDNA is well-known and well-documented in the prior art.

15    cDNA may be prepared according to the following method. Total cellular RNA is isolated (as described) and passed through a column of oligo(dT)-cellulose to isolate polyA RNA. The bound polyA mRNAs are eluted from the column with a low ionic strength buffer. To produce cDNA molecules, short deoxythymidine oligonucleotides (12-20 nucleotides) are hybridized to the polyA tails to be used as primers for reverse transcriptase, an enzyme that uses RNA as a template for DNA synthesis. Alternatively, or additionally, mRNA species are primed from many positions by using short oligonucleotide fragments comprising numerous sequences complementary to the mRNA of interest as primers for cDNA synthesis. The resultant RNA-DNA hybrid is converted to a double stranded DNA molecule by a variety of enzymatic steps well-known in the art (Watson et al., 1992, *Recombinant DNA*, 2nd edition, Scientific American Books, New York).

20

To construct a cDNA library, the poly (A)<sup>+</sup> RNA fraction may be isolated by oligo-dT cellulose chromatography (Pharmacia), and 3-5 ug poly (A)<sup>+</sup> RNA is used to construct a cDNA library in the λ ZAP Express vector (Stratagene). Alternatively, cDNA libraries may be constructed into λTriplEx2 vector through a PCR-based method, using SMART (Switching Mechanism At 5' end of RNA Transcript) cDNA Library Construction Kit (Clontech). First-

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strand cDNA is synthesized with an Xho I-oligo (dT) adapter-primer in the presence of 5'-methyl dCTP. After second-strand synthesis and ligation of EcoRI adapters, the cDNAs are digested with Xho I, resulting in cDNA flanked by EcoRI sites at the 5'-ends and Xho I sites at the 3'-ends. Digested cDNAs are size-fractionated in Sephacryl S-500 spin columns  
5 (Stratagene), then ligated into the  $\lambda$  ZAP Express vector predigested with EcoRI and Xho I. The resulting DNA/cDNA concatomers are packaged using Gigapack Gold packaging extracts. After titration, aliquots of primary packaging mix are stored in 7% DMSO at -80°C as primary library stocks, and the rest are amplified to establish stable library stocks.

From the amplified library, phage plaques are plated onto an appropriate medium.  
10 Preferably, phage plaques are plated at a density of 200-500 pfu/150 mm plate onto an *Escherichia coli* XL1-blue MRF' lawn with IPTG/X-gal for color selection. The plaques are then randomly picked and positive inserts are identified by polymerase chain reaction (PCR), according to methods well known in the art and described hereinbelow. Preferably, plaques are picked into 75 ul suspension media buffer (100 mM NaCl, 10 mM MgSO<sub>4</sub>, 1 mM Tris,  
15 pH7.5, 0.02% gelatin). Phage elutes (5 ul) may be used for PCR reactions (50 ul total volume) with 125 umol/L of each dNTP (Pharmacia), 10 pmol each of modified T3 (5'-GCCAAGCTCGAAATTAACCCTCACTAAAGGG-3') and T7 (5'-CCAGTGAATTGTAATACGACTCACTATAGGGCG-3') primers, and 2 U of Taq DNA polymerase (Pharmacia). Reactions are cycled in a DNA Thermal Cycler (Perkin-Elmer)  
20 [denaturation at 95°C for 5 minutes, followed by 30 cycles of amplification (94°C, 45 seconds; 55°C, 30 seconds; 72°C, 3 minutes) and a terminal isothermal extension (72°C, 3 minutes)]. Agarose gel electrophoresis is used to assess the presence and purity of inserts.

The PCR product is then subjected to DNA sequencing using known methods (see Ausubel et al., *supra* and Sambrook et al., *supra*). Methods of sequencing employ such  
25 enzymes as the Klenow fragment of DNA polymerase I, Sequenase® (US Biochemical Corp, Cleveland, OH), Taq polymerase (Perkin Elmer, Norwalk, CT), thermostable T7 polymerase (Amersham, Chicago, IL), or combinations of recombinant polymerases and proofreading exonucleases such as the ELONGASE Amplification System (Gibco BRL, Gaithersburg,

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MD). Preferably, the process is automated with machines such as the Hamilton Micro Lab 2200 (Hamilton, Reno NV), Peltier Thermal Cycler (PTC200; MJ Research, Watertown, MA), the ABI 377 DNA sequencers (Perkin Elmer), and the PE Biosystems ABI Prism 3700 DNA Analyzer..

5        PCR products are first subjected to DNA sequencing reactions using specific primers, BigDye™ Terminator Cycle Sequencing v2.0 Ready Reaction (PE Biosystems), Tris MgCl buffer and water in a thermocycler. Sequencing reactions were incubated at 94°C for 2 minutes, followed by 25 cycles of 94°C, 30 seconds; 55°C, 20 seconds; and 72°C, 1 minute; and 15 cycles of 94°C, 30 seconds; and 72°C for 1 minute; and 72°C for 5 minutes. Reactions  
10        were then put on hold at 4°C until purified using methods well known in the prior art (i.e. alcohol precipitation or ethanol precipitation). Automated sequencing is preferably carried out with a PE Biosystems ABI Prism 3700 DNA Analyzer.

#### PCR

15        In one aspect, polynucleotide sequences of the invention are amplified by the polymerase chain reaction (PCR). PCR methods are well-known to those skilled in the art.

20        PCR provides a method for rapidly amplifying a particular polynucleotide sequence by using multiple cycles of DNA replication catalyzed by a thermostable, DNA-dependent DNA polymerase to amplify the target sequence of interest. PCR requires the presence of a nucleic acid to be amplified, two single-stranded oligonucleotide primers flanking the sequence to be amplified, a DNA polymerase, deoxyribonucleoside triphosphates, a buffer and salts.

      The method of PCR is well known in the art. PCR, is performed as described in Mullis and Faloona, 1987, *Methods Enzymol.*, 155: 335, herein incorporated by reference.

25        PCR is performed using template DNA (at least 1fg; more usefully, 1-1000 ng) and at least 25 pmol of oligonucleotide primers. A typical reaction mixture includes: 2µl of DNA, 25 pmol of oligonucleotide primer, 2.5 µl of 10H PCR buffer 1 (Perkin-Elmer, Foster City, CA), 0.4 µl of 1.25 µM dNTP, 0.15 µl (or 2.5 units) of Taq DNA polymerase (Perkin Elmer,

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Foster City, CA) and deionized water to a total volume of 25  $\mu$ l. Mineral oil is overlaid and the PCR is performed using a programmable thermal cycler.

The length and temperature of each step of a PCR cycle, as well as the number of cycles, are adjusted according to the stringency requirements in effect. Annealing temperature and timing are determined both by the efficiency with which a primer is expected to anneal to a template and the degree of mismatch that is to be tolerated. The ability to optimize the stringency of primer annealing conditions is well within the knowledge of one of moderate skill in the art. An annealing temperature of between 30°C and 72°C is used. Initial denaturation of the template molecules normally occurs at between 92°C and 99°C for 4 minutes, followed by 20-40 cycles consisting of denaturation (94-99°C for 15 seconds to 1 minute), annealing (temperature determined as discussed above; 1-2 minutes), and extension (72°C for 1 minute). The final extension step is generally carried out for 4 minutes at 72°C, and may be followed by an indefinite (0-24 hour) step at 4°C.

Several techniques for detecting PCR products quantitatively without electrophoresis may be useful according to the invention. One of these techniques, for which there are commercially available kits such as Taqman<sup>TM</sup> (Perkin Elmer, Foster City, CA), is performed with a transcript-specific antisense probe. This probe is specific for the PCR product (e.g. a nucleic acid fragment derived from a gene) and is prepared with a quencher and fluorescent reporter probe complexed to the 5' end of the oligonucleotide. Different fluorescent markers are attached to different reporters, allowing for measurement of two products in one reaction. When Taq DNA polymerase is activated, it cleaves off the fluorescent reporters of the probe bound to the template by virtue of its 5'-to-3' exonuclease activity. In the absence of the quenchers, the reporters now fluoresce. The color change in the reporters is proportional to the amount of each specific product and is measured by a fluorometer; therefore, the amount of each color is measured and the PCR product is quantified. The PCR reactions are performed in 96 well plates so that samples derived from many individuals are processed and measured simultaneously. The Taqman<sup>TM</sup> system has the additional advantage of not requiring gel electrophoresis and allows for quantification when used with a standard curve.

Polynucleotide Sequences Useful According to the Invention

The invention provides for isolated polynucleotide sequences including ESTs which can be used as probes, arrayed on microarrays, and/or used for the development of therapies to treat osteoarthritis.

5           In one aspect, cartilage gene expression profiles at different developmental stages are identified. Another aspect of the invention is to monitor cartilage gene expression profiles of osteoarthritis patients diagnosed with different stages of osteoarthritis. A third aspect of the invention is to screen for potential therapeutic agents which alter the gene expression profile of diseased cartilage cells. The invention therefore provides for polynucleotide sequences that  
10           are present at each of the following developmental and disease stages: normal, fetal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic. The invention also provides for polynucleotide sequences that are differentially expressed in any two of the following developmental and disease stages: normal, fetal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic.

15           Polynucleotides useful according to the invention are prepared by isolating cartilage tissue samples from a developmental or disease stage (normal, fetal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic), preparing a cDNA library (as described above), and performing large-scale partial sequencing (described herein) of the cDNA library to generate Expressed Sequence Tags (ESTs). An EST useful according  
20           to the invention is preferably in the range of 50-1000 nucleotides and most preferably 50-500 nucleotides in length.

The invention provides for polynucleotide sequences or ESTs that are categorized as "novel" or "known", including "known sequences with a function" and "known sequences without a known function", all defined herein.

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Nucleic Acid Members and Probes

In one aspect, the invention provides nucleic acid members and probes that bind specifically to a target nucleic acid sequence (e.g., present in a cartilage nucleic acid sample).

5 Nucleic acid members are stably associated with a solid support to comprise an array according to the invention. The length of a nucleic acid member can range from 50 to 6000 nucleotides, 100 to 500 nucleotides, and in other embodiments, from 500 to 1500 nucleotides. The nucleic acid members may be single or double stranded, and/or may be PCR fragments amplified from cDNA.

10 The invention also provides for polynucleotide sequences comprising a probe. In a certain embodiment, a probe is labeled, according to methods known in the art. A probe according to the invention is 50 to 5000 nucleotides, more preferably 100-500 nucleotides and most preferably 50 to 250 nucleotides in length. The probe may be single or double stranded, and may be a PCR fragment amplified from cDNA.

15 The nucleic acid members and probes according to the invention can be used to detect target sequences such as chondrocyte enriched or chondrocyte-specific sequences, and preferably sequences whose presence in a sample are indicative, or diagnostic or prognostic, of a stage of osteoarthritis.

The target nucleic acid sequences to be analyzed are preferably from human cartilage, blood or synovial fluid and preferably comprise RNA or nucleic acid corresponding to RNA,  
20 (i.e., cDNA or amplified products of RNA or cDNAs).

Data Acquisition and Analysis of EST Sequences

The invention provides for EST sequences including "novel sequences", "novel expressed sequence tags (ESTs)" and "known sequences" including "known sequences with a function" and "known sequences with no known function".



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The generated EST sequences are searched against available databases, including the "nt", "nr", "est", "gss" and "htg" databases available through NCBI to determine putative identities for ESTs matching to known genes or other ESTs. Relative EST frequency level can then be calculated using known methods. Functional characterization of ESTs with known gene matches are made according to any known method. Preferably, generated EST sequences are compared to the non-redundant Genbank/EMBL/DDBJ and dbEST databases using the BLAST algorithm (8). A minimum value of  $P = 10^{-10}$  and nucleotide sequence identity >95%, wherein the sequence identity is non-contiguous or scattered, are required for assignments of putative identities for ESTs matching to known genes or to other ESTs.

10 Construction of a non-redundant list of genes represented in the EST set is done with the help of Unigene, Entrez and PubMed at the National Center for Biotechnology Information (NCBI) site (<http://www.ncbi.nlm.nih.gov/>). Relative gene expression frequency is calculated by dividing the number of EST copies for each gene by the total number of ESTs analyzed.

Genes are identified from ESTs according to known methods. To identify novel genes from an EST sequence, the EST should preferably be at least 100 nucleotides in length, and more preferably 150 nucleotides in length, for annotation. Preferably, the EST exhibits open reading frame characteristics (i.e., can encode a putative polypeptide).

Because of the completion of the Human Genome Project, a specific EST which matches with a genomic sequence can be mapped onto a specific chromosome based on the chromosomal location of the genomic sequence. However, no function may be known for the protein encoded by the sequence and the EST would then be considered "novel" in a functional sense. In one aspect, the invention is used to identify a novel EST which is part of a larger known sequence for which no function is known is used to determine the function of a gene comprising the EST (e.g., such as the role of expression products produced by the gene in chondrogenesis and/or in a pathology affecting chondrocytes). Alternatively, or additionally, the EST can be used to identify an mRNA or polypeptide encoded by the larger sequence as a diagnostic or prognostic marker of chondrogenesis and/or of a pathology affecting chondrocytes.

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Having identified an EST corresponding to a larger sequence as chondrocyte enriched or chondrocyte-specific, other portions of the larger sequence which comprises the EST can be used in assays to elucidate gene function, e.g., to isolate polypeptides encoded by the gene, to generate antibodies specifically reactive with these polypeptides, to identify binding  
5 partners of the polypeptides (receptors, ligands, agonists, antagonists and the like) and/or to detect the expression of the gene (or lack thereof) in chondrocytes in fetal, adult, normal, and/or diseased individuals.

In another aspect, the invention provides for polynucleotide sequences that do not demonstrate a "significant match" to any of the publicly known sequences in sequence  
10 databases at the time a query is done. Longer genomic segments comprising these types of novel EST sequences can be identified by probing genomic libraries, while longer expressed sequences can be identified in cDNA libraries and/or by performing polymerase extension reactions (e.g., RACE) using EST sequences to derive primer sequences as is known in the art. Longer fragments can be mapped to particular chromosomes by FISH and other  
15 techniques and their sequences compared to known sequences in genomic and/or expressed sequence databases and further functional analysis can be performed as described above.

Using the methods according to the invention, out of a total of 57,422 ESTs from the four cDNA libraries, no significant match was found for 618 sequences. The remaining sequences were characterized as shown in Figure 5.

20 Identified genes can be catalogued according to their putative function. Functional characterization of ESTs with known gene matches is preferably made according to the categories described by Hwang et al (5). The distribution of genes in each of the subcellular categories is indicative of the dynamic state of the tissue and will provide important insights into the osteoarthritis disease process. The results of this analysis are provided in Figure 7  
25 where the total number of ESTs identified by the method in different human cartilage libraries are characterized based on the functional classification of known genes identified in each library.

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Alternative methods for analyzing ESTs are also available. For example, the ESTs from each library may be assembled into contigs with sequence alignment, editing, and assembly programs such as PHRED and PHRAP (Ewing, et al., 1998, *Genome Res.* 3:175, incorporated herein; <http://bozeman.genome.washington.edu/>). Contig redundancy is reduced  
5 by clustering nonoverlapping sequence contigs using the EST clone identification number, which is common for the nonoverlapping 5' and 3' sequence reads for a single EST cDNA clone. In one aspect, the consensus sequence from each cluster is compared to the non-redundant Genbank/EMBL/DDBJ and dbEST databases using the BLAST algorithm with the help of unigene, Entrez and PubMed at the NCBI site.

10 *Known Polynucleotide Sequences or ESTs and Novel Polynucleotide Sequences or ESTs*

An EST that exhibits a significant match (> 65%, and preferably 90% or greater, identity) to at least one existing sequence in an existing polynucleotide sequence database is characterized as a "known" sequence according to the invention. Within this category, some known ESTs match to existing sequences which encode polypeptides with known function(s)  
15 and are referred to as a "known sequence with a function". Other "known" ESTs exhibit significant match to existing sequences which encode polypeptides of unknown function(s) and are referred to as a "known sequence with no known function".

In one aspect, the invention also provides for known polynucleotide sequences that are chondrocyte enriched or chondrocyte-specific.

20 EST sequences which have no significant match (less than 65% identity) to any existing sequence in the above cited available databases are categorized as novel ESTs. These novel ESTs are considered chondrocyte-specific since they are not matched to any other genes or ESTs derived from any other tissue. To identify a novel gene from an EST sequence, the EST is preferably at least 150 nucleotides in length. More preferably, the EST encodes at  
25 least part of an open reading frame, that is, a polynucleotide sequence between a translation initiation codon and a termination codon, which is potentially translated into a polypeptide sequence.

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The invention provides for known and novel polynucleotide sequences that are uniquely expressed in normal, fetal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic cartilage. Figures 6 and 13, show unique known genes and names of the novel sequences identified to date in the fetal, normal, mild osteoarthritic and severe osteoarthritic cDNA libraries using the methods according to the invention.

The invention also provides for known and novel polynucleotide sequences that are upregulated and downregulated in normal, fetal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic cartilage. In one aspect, polynucleotide sequences are enriched in chondrocytes compared to cells which are non-chondrocytes, or in chondrocytes from individuals with osteoarthritis compared to normal individuals, or in chondrocytes from particular stages of development or disease compared to particular other stages of development or disease.

The invention also provides for polynucleotide sequences that are differentially expressed in cartilage from any two of the following developmental and disease stages: fetal, normal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic.

Relative EST frequency is calculated by dividing the number of EST copies for each gene by the total number of ESTs analyzed. The chondrocyte-specific expression of a number of novel ESTs has been confirmed by methods known in the art. Useful methods for measuring gene expression in a tissue include RT PCR, Northern blot, etc.

#### Novel Nucleic Acid Molecules

Many of the novel nucleic acid molecules of the present invention are differentially expressed between the mild and severe osteoarthritis disease states and are thus useful as potential drug targets or markers for the osteoarthritis disease process. The invention also provides one or more nucleic acid molecules that are differentially expressed in two or more of the following developmental and disease stages: fetal, normal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic. The invention further provides

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for one or more novel clones that are differentially expressed in two or more of the following developmental and disease stages: fetal, normal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic.

### Microarrays

#### 5      Polynucleotide Microarrays

Any combination of the polynucleotide sequences generated from any of the chondrocyte cDNA libraries are used for the construction of a microarray. In one embodiment, the microarray is chondrocyte-specific and is anticipated to encompass the entire spectrum of genes that are important in the osteoarthritis disease process. A microarray  
10 according to the invention preferably comprises between 10 and 20,000 nucleic acid members, and more preferably comprises at least 5000 nucleic acid members. The nucleic acid members are known or novel polynucleotide sequences described herein, or any combination thereof. A microarray according to the invention is used to confirm differential gene expression profiles of genes that are specifically expressed at different cartilage development  
15 and osteoarthritis disease stages.

The invention also provides for a microarray comprising genes that are differentially expressed between normal and mild osteoarthritis patients to allow for the identification of early risk factors for osteoarthritis development. The invention also provides for a microarray for osteoarthritis diagnosis comprising one or more polynucleotide sequences that are  
20 differentially expressed between a normal individual and a patient diagnosed with mild, moderate, marked or severe osteoarthritis. Such arrays also may be used for prognostic methods to monitor a patient's response to therapy. Preferably, an array for osteoarthritis diagnosis comprises 10-20,000 nucleic acid members and more preferably 50-15,000 nucleic acid members. In one embodiment, the above microarrays are used to identify a therapeutic  
25 agent that modulates the anabolic activity of a chondrocyte or changes (e.g., increases or decreases) the level of expression of at least one polynucleotide sequence that is differentially expressed in a chondrocyte derived from any of the following chondrocyte disease or

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developmental stages: fetal, normal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic.

The target nucleic acid samples that are hybridized to and analyzed with a microarray of the invention are preferably from human cartilage, blood or synovial fluid. A limitation for this procedure lies in the amount of RNA available for use as a target nucleic acid sample. Preferably, at least 1 microgram of total RNA is obtained for use according to this invention. This is advantageous because the amount of RNA in synovial fluid and in many cartilage biopsy samples is very minimal.

#### Construction of a Microarray

In one aspect, cDNAs generated from human cartilage cDNA libraries are arrayed on a microarray. Preferably, a microarray according to the invention comprises chondrocyte enriched or chondrocyte-specific genes and includes the whole spectrum of genes that are important in the osteoarthritis disease process.

The EST frequency analysis in Figure 6 (and portions thereof shown in Figures 15 and 16) shows the differential gene expression profiles for known genes. Microarrays according to the invention may be used to confirm these profiles and may also be used to show differential expression profiles between different developmental stages and osteoarthritis disease states for novel EST sequences. These novel EST sequences may be further characterized by cluster and alignment analyses to determine how many unique genes are represented by the novel EST sequences. The novel unique genes identified may provide a basis for identifying key markers in osteoarthritis disease progression and treatment.

In the subject methods, an array of nucleic acid members stably associated with the surface of a substantially solid support is contacted with a sample comprising target polynucleotides under hybridization conditions sufficient to produce a hybridization pattern of complementary nucleic acid members/target complexes in which one or more complementary nucleic acid members at unique positions on the array specifically hybridize to target nucleic

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acids. The identity of target nucleic acids which hybridize can be determined with reference to location of nucleic acid members on the array.

The nucleic acid members may be produced using established techniques such as polymerase chain reaction (PCR) and reverse transcription (RT). These methods are similar to those currently known in the art (see e.g., *PCR Strategies*, Michael A. Innis (Editor), et al. (1995) and *PCR: Introduction to Biotechniques Series*, C. R. Newton, A. Graham (1997)). Amplified polynucleotides are purified by methods well known in the art (e.g., column purification or alcohol precipitation). A polynucleotide is considered pure when it has been isolated so as to be substantially free of primers and incomplete products produced during the synthesis of the desired polynucleotide. Preferably, a purified polynucleotide will also be substantially free of contaminants which may hinder or otherwise mask the specific binding activity of the molecule.

A microarray according to the invention comprises a plurality of unique polynucleotides attached to one surface of a solid support at a density exceeding 20 different polynucleotides/cm<sup>2</sup>, wherein each of the polynucleotides is attached to the surface of the solid support in a non-identical pre-selected region. Each associated sample on the array comprises a polynucleotide composition, of known identity, usually of known sequence, as described in greater detail below. Any conceivable substrate may be employed in the invention.

In one embodiment, the polynucleotide attached to the surface of the solid support is DNA. In a preferred embodiment, the polynucleotide attached to the surface of the solid support is cDNA or RNA. In another preferred embodiment, the polynucleotide attached to the surface of the solid support is cDNA synthesized by polymerase chain reaction (PCR). Preferably, a nucleic acid member in the array, according to the invention, is at least 50 nucleotides in length. In one embodiment, a nucleic acid member is at least 150 nucleotides in length. Preferably, a nucleic acid member is less than 1000 nucleotides in length. More preferably, a nucleic acid member is less than 500 nucleotides in length. In one embodiment, an array comprises at least 10 different polynucleotides attached to one surface of the solid

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support. In another embodiment, the array comprises at least 100 different polynucleotides attached to one surface of the solid support. In yet another embodiment, the array comprises at least 10,000 different polynucleotides attached to one surface of the solid support. In yet another embodiment, the array comprises at least 15,000 different polynucleotides attached to one surface of the solid support.

In the arrays of the invention, the polynucleotide compositions are stably associated with the surface of a solid support, wherein the support may be a flexible or rigid solid support. By "stably associated" is meant that each nucleic acid member maintains a unique position relative to the solid support under hybridization and washing conditions. As such, the samples are non-covalently or covalently stably associated with the support surface. Examples of non-covalent association include non-specific adsorption, binding based on electrostatic interactions (e.g., ion pair interactions), hydrophobic interactions, hydrogen bonding interactions, specific binding through a specific binding pair member covalently attached to the support surface, and the like. Examples of covalent binding include covalent bonds formed between the polynucleotides and a functional group present on the surface of the rigid support (e.g., --OH), where the functional group may be naturally occurring or present as a member of an introduced linking group, as described in greater detail below

The amount of polynucleotide present in each composition will be sufficient to provide for adequate hybridization and detection of target polynucleotide sequences during the assay in which the array is employed. Generally, the amount of each nucleic acid member stably associated with the solid support of the array is at least about 0.001 ng, preferably at least about 0.02 ng and more preferably at least about 0.05 ng, where the amount may be as high as 1000 ng or higher, but will usually not exceed about 20 ng. Where the nucleic acid member is "spotted" onto the solid support in a spot comprising an overall circular dimension, the diameter of the "spot" will generally range from about 10 to 5,000  $\mu\text{m}$ , usually from about 20 to 2,000  $\mu\text{m}$  and more usually from about 100 to 200  $\mu\text{m}$ .

Control nucleic acid members may be present on the array including nucleic acid members comprising oligonucleotides or polynucleotides corresponding to genomic DNA,



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housekeeping genes, vector sequences, plant nucleic acid sequence, negative and positive control genes, and the like. Control nucleic acid members are calibrating or control genes whose function is not to tell whether a particular "key" gene of interest is expressed, but rather to provide other useful information, such as background or basal level of expression.

- 5 Other control polynucleotides are spotted on the array and used as target expression control polynucleotides and mismatch control nucleotides to monitor non-specific binding or cross-hybridization to a polynucleotide in the sample other than the target to which the probe is directed. Mismatch probes thus indicate whether a hybridization is specific or not. For example, if the target is present, the perfectly matched probes should be consistently brighter than the mismatched probes. In addition, if all control mismatches are present, the mismatch probes are used to detect a mutation.
- 10

#### Solid Substrate

- An array according to the invention comprises either a flexible or rigid substrate. A flexible substrate is capable of being bent, folded or similarly manipulated without breakage.
- 15 Examples of solid materials which are flexible solid supports with respect to the present invention include membranes, e.g., nylon, flexible plastic films, and the like. By "rigid" is meant that the support is solid and does not readily bend, i.e., the support is not flexible. As such, the rigid substrates of the subject arrays are sufficient to provide physical support and structure to the associated polynucleotides present thereon under the assay conditions in which
- 20 the array is employed, particularly under high throughput handling conditions.

- The substrate may be biological, non-biological, organic, inorganic, or a combination of any of these, existing as particles, strands, precipitates, gels, sheets, tubing, spheres, beads, containers, capillaries, pads, slices, films, plates, slides, chips, etc. The substrate may have any convenient shape, such as a disc, square, sphere, circle, etc. The substrate is preferably
- 25 flat or planar but may take on a variety of alternative surface configurations. The substrate may be a polymerized Langmuir Blodgett film, functionalized glass, Si, Ge, GaAs, GaP, SiO<sub>2</sub>, SiN<sub>4</sub>, modified silicon, or any one of a wide variety of gels or polymers such as

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(poly)tetrafluoroethylene, (poly)vinylidenedifluoride, polystyrene, polycarbonate, or combinations thereof. Other substrate materials will be readily apparent to those of skill in the art upon review of this disclosure.

5 In a preferred embodiment the substrate is flat glass or single-crystal silicon. According to some embodiments, the surface of the substrate is etched using well-known techniques to provide for desired surface features. For example, by way of formation of trenches, v-grooves, mesa structures, or the like, the synthesis regions may be more closely placed within the focus point of impinging light, be provided with reflective "mirror" structures for maximization of light collection from fluorescent sources, etc.

10 Surfaces on the solid substrate will usually, though not always, be composed of the same material as the substrate. Alternatively, the surface may be composed of any of a wide variety of materials, for example, polymers, plastics, resins, polysaccharides, silica or silica-based materials, carbon, metals, inorganic glasses, membranes, or any of the above-listed substrate materials. In some embodiments the surface may provide for the use of caged  
15 binding members which are attached firmly to the surface of the substrate. Preferably, the surface will contain reactive groups, which are carboxyl, amino, hydroxyl, or the like. Most preferably, the surface will be optically transparent and will have surface Si--OH functionalities, such as are found on silica surfaces.

The surface of the substrate is preferably provided with a layer of linker molecules,  
20 although it will be understood that the linker molecules are not required elements of the invention. The linker molecules are preferably of sufficient length to permit polynucleotides of the invention and on a substrate to hybridize to other polynucleotide molecules and to interact freely with molecules exposed to the substrate.

Often, the substrate is a silicon or glass surface, (poly)tetrafluoroethylene,  
25 (poly)vinylidenedifluoride, polystyrene, polycarbonate, a charged membrane, such as nylon 66 or nitrocellulose, or combinations thereof. In a preferred embodiment, the solid support is glass. Preferably, at least one surface of the substrate will be substantially flat. Preferably, the

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surface of the solid support will contain reactive groups, including, but not limited to, carboxyl, amino, hydroxyl, thiol, or the like. In one embodiment, the surface is optically transparent. In a preferred embodiment, the substrate is a poly-lysine coated slide or Gamma amino propyl silane-coated Corning Microarray Technology-GAPS or CMT-GAP2 coated  
5 slides.

Any solid support to which a nucleic acid member may be attached may be used in the invention. Examples of suitable solid support materials include, but are not limited to, silicates such as glass and silica gel, cellulose and nitrocellulose papers, nylon, polystyrene, polymethacrylate, latex, rubber, and fluorocarbon resins such as TEFLON™.

10 The solid support material may be used in a wide variety of shapes including, but not limited to slides and beads. Slides provide several functional advantages and thus are a preferred form of solid support. Due to their flat surface, probe and hybridization reagents are minimized using glass slides. Slides also enable the targeted application of reagents, are easy to keep at a constant temperature, are easy to wash and facilitate the direct visualization of  
15 RNA and/or DNA immobilized on the solid support. Removal of RNA and/or DNA immobilized on the solid support is also facilitated using slides.

The particular material selected as the solid support is not essential to the invention, as long as it provides the described function. Normally, those who make or use the invention will select the best commercially available material based upon the economics of cost and  
20 availability, the expected application requirements of the final product, and the demands of the overall manufacturing process.

#### Spotting Method

In one aspect, The invention provides for arrays wherein each nucleic acid member comprising the array is spotted onto a solid support.

25 Preferably, spotting is carried out as follows. PCR products (~40 ul) of cDNA clones from osteoarthritis, fetal or normal cartilage cDNA libraries, in the same 96-well tubes used

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for amplification, are precipitated with 4 ul (1/10 volume) of 3M sodium acetate (pH 5.2) and 100 ul (2.5 volumes) of ethanol and stored overnight at -20°C. They are then centrifuged at 3,300 rpm at 4°C for 1 hour. The obtained pellets are washed with 50 ul ice-cold 70% ethanol and centrifuged again for 30 minutes. The pellets are then air-dried and resuspended well in 20ul 3X SSC or in 50% dimethylsulfoxide (DMSO) overnight. The samples are then spotted, either singly or in duplicate, onto polylysine-coated slides (Sigma Cat. No. P0425) using a robotic GMS 417 or 427 arrayer (Affymetrix, Ca).

The boundaries of the spots on the microarray may be marked with a diamond scribe (as the spots become invisible after post-processing). The arrays are rehydrated by suspending the slides over a dish of warm particle free ddH<sub>2</sub>O for approximately one minute (the spots will swell slightly but will not run into each other) and snap-dried on a 70-80°C inverted heating block for 3 seconds. Nucleic acid is then UV crosslinked to the slide (Stratagene, Stratalinker, 65 mJ – set display to “650” which is 650 x 100 uJ) or the array is baked at 80°C for two to four hours prior to hybridization. The arrays are placed in a slide rack. An empty slide chamber is prepared and filled with the following solution: 3.0 grams of succinic anhydride (Aldrich) was dissolved in 189 ml of 1-methyl-2-pyrrolidinone (rapid addition of reagent is crucial); immediately after the last flake of succinic anhydride is dissolved, -21.0 ml of 0.2 M sodium borate is mixed in and the solution is poured into the slide chamber. The slide rack is plunged rapidly and evenly in the slide chamber and vigorously shaken up and down for a few seconds, making sure the slides never leave the solution, and then mixed on an orbital shaker for 15-20 minutes. The slide rack is then gently plunged in 95°C ddH<sub>2</sub>O for 2 minutes, followed by plunging five times in 95% ethanol. The slides are then air dried by allowing excess ethanol to drip onto paper towels. The arrays are stored in the slide box at room temperature until use.

Numerous methods may be used for attachment of the nucleic acid members of the invention to the substrate (a process referred to as "spotting"). For example, polynucleotides are attached using the techniques of, for example U.S. Pat. No. 5,807,522, which is incorporated herein by reference, for teaching methods of polymer attachment.

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Alternatively, spotting may be carried out using contact printing technology as is known in the art.

### Kits

The invention provides for kits for performing expression assays using the arrays of the present invention. Such kits according to the subject invention will at least comprise the arrays of the invention having associated nucleic acid members and packaging means therefore. The kits may further comprise one or more additional reagents employed in the various methods, such as: 1) primers for generating test polynucleotides; 2) dNTPs and/or rNTPs (either premixed or separate), optionally with one or more uniquely labeled dNTPs and/or rNTPs (e.g., biotinylated or Cy3 or Cy5 tagged dNTPs); 3) post synthesis labeling reagents, such as chemically active derivatives of fluorescent dyes; 4) enzymes, such as reverse transcriptases, DNA polymerases, and the like; 5) various buffer mediums, e.g., hybridization and washing buffers; 6) labeled probe purification reagents and components, like spin columns, etc.; and 7) signal generation and detection reagents, e.g., streptavidin-alkaline phosphatase conjugate, chemifluorescent or chemiluminescent substrate, and the like.

### Use of a Microarray

Polynucleotide arrays according to the invention can be used in high throughput techniques that can assay a large number of polynucleotides in a sample comprising one or more target nucleic acid sequences. The arrays of the subject invention find use in a variety of applications, including gene expression analysis, diagnosis of osteoarthritis and prognosis of osteoarthritis, monitoring a patient's response to therapy, drug screening, and the like.

In one aspect, the arrays of the invention are used in, among other applications, differential gene expression assays. For example, arrays are useful in the differential expression analysis of: (a) diseased osteoarthritis and normal tissue; (b) tissues representing different stages of osteoarthritis; (c) developing cartilage (e.g., fetal cartilage); (d) chondrocyte responses to external or internal stimuli; (e) cartilage/chondrocyte response to treatment; (f) cartilage tissue engineering; (g) pharmacogenomics; and the like. The arrays are also useful in

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broad scale expression screening for drug discovery and research, such as the effect of a particular active agent on the expression pattern of genes in a particular cell, where such information is used to reveal drug efficacy and toxicity, environmental monitoring, disease research and the like. For example, high expression of a particular polynucleotide sequence in  
5 an osteoarthritis sample (mild, moderate, marked, or severe), which is not observed in a corresponding normal cell, can indicate an osteoarthritis-specific gene product.

#### Target Preparation

The targets for the microarrays according to the invention are preferably derived from human cartilage, blood or synovial fluid.

10 A target polynucleotide is capable of binding to a polynucleotide probe or nucleic acid member of complementary sequence through one or more types of chemical bonds, usually through complementary base pairing, usually through hydrogen bond formation.

As used herein, a "polynucleotide derived from an mRNA transcript: or a "polynucleotide corresponding to an mRNA" refers to a polynucleotide for which synthesis of  
15 the mRNA transcript or a sub-sequence thereof has ultimately served as a template. Thus, a cDNA reverse transcribed from an mRNA, an RNA transcribed from that cDNA, a DNA amplified from the cDNA, an RNA transcribed from the amplified DNA, etc., are all derived from or correspond to the mRNA transcript and detection of such derived or corresponding products is indicative of or proportional to the presence and/or abundance of the original  
20 transcript in a sample. Thus, suitable target nucleic acid samples include, but are not limited to, mRNA transcripts of a gene or genes, cDNA reverse transcribed from the mRNA, cRNA transcribed from the cDNA, DNA amplified from a gene or genes, RNA transcribed from amplified DNA, and the like. The polynucleotide targets used herein are preferably derived from human cartilage, blood or synovial fluid. Preferably, the targets are polynucleotides  
25 derived from human cartilage, blood or synovial fluid extracts. Polynucleotides can be single- or double-stranded DNA, RNA, or DNA-RNA hybrids synthesized from human cartilage,

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blood or synovial fluid mRNA extracts using methods known in the art, for example, reverse transcription or PCR.

In the simplest embodiment, such a polynucleotide target comprises total mRNA or a nucleic acid sample corresponding to mRNA (e.g., cDNA) isolated from cartilage, blood, or synovial fluid samples. In another embodiment, total mRNA is isolated from a given sample using, for example, an acid guanidinium-phenol-chloroform extraction method and polyA+ mRNA is isolated by oligo dT column chromatography or by using (dT)<sub>n</sub> magnetic beads (see, e.g., Sambrook et al., *Molecular Cloning: A Laboratory Manual* (2nd ed.), Vols. 1-3, Cold Spring Harbor Laboratory, (1989), or Current Protocols in Molecular Biology, F. Ausubel et al., ed. Greene Publishing and Wiley-Interscience, New York (1987). In a preferred embodiment, total RNA is extracted using TRIzol® reagent (GIBCO/BRL, Invitrogen Life Technologies, Cat. No. 15596). Purity and integrity of RNA is assessed by absorbance at 260/280nm and agarose gel electrophoresis followed by inspection under ultraviolet light.

In some embodiments, it is desirable to amplify the target nucleic acid sample prior to hybridization, for example, when synovial fluid is used. One of skill in the art will appreciate that whatever amplification method is used, if a quantitative result is desired, care must be taken to use a method that maintains or controls for the relative frequencies of the amplified polynucleotides. Methods of "quantitative" amplification are well known to those of skill in the art. For example, quantitative PCR involves simultaneously co-amplifying a known quantity of a control sequence using the same primers. This provides an internal standard that may be used to calibrate the PCR reaction. The high density array may then include probes specific to the internal standard for quantification of the amplified polynucleotide. Detailed protocols for quantitative PCR are provided in *PCR Protocols, A Guide to Methods and Applications*, Innis et al., Academic Press, Inc. N.Y., (1990).

Other suitable amplification methods include, but are not limited to polymerase chain reaction (PCR) (Innis, et al., *PCR Protocols. A Guide to Methods and Application*. Academic Press, Inc. San Diego, (1990)), ligase chain reaction (LCR) (see Wu and Wallace, 1989, *Genomics*, 4:560; Landegren, et al., 1988, *Science*, 241:1077 and Barringer, et al., 1990,

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*Gene*, 89:117, transcription amplification (Kwoh, et al., 1989, *Proc. Natl. Acad. Sci. USA*, 86: 1173), and self-sustained sequence replication (Guatelli, et al., 1990, *Proc. Nat. Acad. Sci. USA*, 87: 1874).

In a particularly preferred embodiment, the target nucleic acid sample mRNA is reverse transcribed with a reverse transcriptase and a primer consisting of oligo dT and a sequence encoding the phage T7 promoter to provide single-stranded DNA template. The second DNA strand is polymerized using a DNA polymerase. After synthesis of double-stranded cDNA, T7 RNA polymerase is added and RNA is transcribed from the cDNA template. Successive rounds of transcription from each single cDNA template results in amplified RNA. Methods of *in vitro* transcription are well known to those of skill in the art (see, e.g., Sambrook, *supra.*) and this particular method is described in detail by Van Gelder, et al., 1990, *Proc. Natl. Acad. Sci. USA*, 87: 1663-1667 who demonstrate that *in vitro* amplification according to this method preserves the relative frequencies of the various RNA transcripts. Moreover, Eberwine et al. *Proc. Natl. Acad. Sci. USA*, 89: 3010-3014 provide a protocol that uses two rounds of amplification via *in vitro* transcription to achieve greater than  $10^6$  fold amplification of the original starting material thereby permitting expression monitoring even where biological samples are limited.

#### Labeling of Target or Nucleic Acid Probe

Either the target or the probe can be labeled.

Any analytically detectable marker that is attached to or incorporated into a molecule may be used in the invention. An analytically detectable marker refers to any molecule, moiety or atom which is analytically detected and quantified.

Detectable labels suitable for use in the present invention include any composition detectable by spectroscopic, photochemical, biochemical, immunochemical, electrical, optical or chemical means. Useful labels in the present invention include biotin for staining with labeled streptavidin conjugate, magnetic beads (e.g., Dynabeads<sup>TM</sup>), fluorescent dyes (e.g., fluorescein, texas red, rhodamine, green fluorescent protein, and the like), radiolabels (e.g.,



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<sup>3</sup>H, <sup>125</sup>I, <sup>35</sup>S, <sup>14</sup>C, or <sup>32</sup>P), enzymes (e.g., horse radish peroxidase, alkaline phosphatase and others commonly used in an ELISA), and colorimetric labels such as colloidal gold or colored glass or plastic (e.g., polystyrene, polypropylene, latex, etc.) beads. Patents teaching the use of such labels include U.S. Pat. Nos. 3,817,837; 3,850,752; 3,939,350; 3,996,345; 4,277,437;  
5 4,275,149; and 4,366,241, the entireties of which are incorporated by reference herein.

Means of detecting such labels are well known to those of skill in the art. Thus, for example, radiolabels may be detected using photographic film or scintillation counters, fluorescent markers may be detected using a photodetector to detect emitted light. Enzymatic labels are typically detected by providing the enzyme with a substrate and detecting the  
10 reaction product produced by the action of the enzyme on the substrate, and colorimetric labels are detected by simply visualizing the colored label.

The labels may be incorporated by any of a number of means well known to those of skill in the art. However, in a preferred embodiment, the label is simultaneously incorporated during the amplification step in the preparation of the sample polynucleotides. Thus, for  
15 example, polymerase chain reaction (PCR) with labeled primers or labeled nucleotides will provide a labeled amplification product. In a preferred embodiment, transcription amplification, as described above, using a labeled nucleotide (e.g. fluorescein-labeled UTP and/or CTP) incorporates a label into the transcribed polynucleotides.

Alternatively, a label may be added directly to the original polynucleotide sample (e.g.,  
20 mRNA, polyA mRNA, cDNA, etc.) or to the amplification product after the amplification is completed. Means of attaching labels to polynucleotides are well known to those of skill in the art and include, for example, nick translation or end-labeling (e.g. with a labeled RNA) by kinasing of the polynucleotide and subsequent attachment (ligation) of a polynucleotide linker joining the sample polynucleotide to a label (e.g., a fluorophore).

25 In a preferred embodiment, the fluorescent modifications are by cyanine dyes e.g. Cy-3/Cy-5 dUTP, Cy-3/Cy-5 dCTP (Amersham Pharmacia) or alexa dyes (Khan, et al., 1998, *Cancer Res.* 58:5009-5013).

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In a preferred embodiment, the two target samples used for comparison are labeled with different fluorescent dyes which produce distinguishable detection signals, for example, targets made from normal cartilage are labeled with Cy5 and targets made from mild osteoarthritis cartilage are labeled with Cy3. The differently labeled target samples are  
5 hybridized to the same microarray simultaneously. In a preferred embodiment, the labeled targets are purified using methods known in the art, e.g., by ethanol purification or column purification.

In a preferred embodiment, the target will include one or more control molecules which hybridize to control probes on the microarray to normalize signals generated from the  
10 microarray. Preferably, labeled normalization targets are polynucleotide sequences that are perfectly complementary to control oligonucleotides that are spotted onto the microarray as described above. The signals obtained from the normalization controls after hybridization provide a control for variations in hybridization conditions, label intensity, "reading" efficiency and other factors that may cause the signal of a perfect hybridization to vary  
15 between arrays. In a preferred embodiment, signals (e.g., fluorescence intensity) read from all other probes in the array are divided by the signal (e.g., fluorescence intensity) from the control probes, thereby normalizing the measurements.

Preferred normalization targets are selected to reflect the average length of the other targets present in the sample, however, they are selected to cover a range of lengths. The  
20 normalization control(s) also can be selected to reflect the (average) base composition of the other probes in the array, however, in a preferred embodiment, only one or a few normalization probes are used and they are selected such that they hybridize well (i.e., have no secondary structure and do not self hybridize) and do not match any target molecules.

Normalization probes are localized at any position in the array or at multiple positions  
25 throughout the array to control for spatial variation in hybridization efficiency. In a preferred embodiment, normalization controls are located at the corners or edges of the array as well as in the middle.

Hybridization Conditions

Polynucleotide hybridization involves providing a denatured probe or target nucleic acid member and target polynucleotide under conditions where the probe or target nucleic acid member and its complementary target can form stable hybrid duplexes through complementary base pairing. The polynucleotides that do not form hybrid duplexes are then washed away leaving the hybridized polynucleotides to be detected, typically through detection of an attached detectable label. It is generally recognized that polynucleotides are denatured by increasing the temperature or decreasing the salt concentration of the buffer containing the polynucleotides. Under low stringency conditions (e.g., low temperature and/or high salt) hybrid duplexes (e.g., DNA:DNA, RNA:RNA, or RNA:DNA) will form even where the annealed sequences are not perfectly complementary. Thus specificity of hybridization is reduced at lower stringency. Conversely, at higher stringency (e.g., higher temperature or lower salt) successful hybridization requires fewer mismatches.

The invention provides for hybridization conditions comprising the Dig hybridization mix (Boehringer); or formamide-based hybridization solutions, for example as described in Ausubel et al., *supra* and Sambrook et al. *supra*.

Methods of optimizing hybridization conditions are well known to those of skill in the art (see, e.g., *Laboratory Techniques in Biochemistry and Molecular Biology*, Vol. 24: *Hybridization With Polynucleotide Probes*, P. Tijssen, ed. Elsevier, N.Y., (1993)).

Following hybridization, non-hybridized labeled or unlabeled polynucleotide is removed from the support surface, conveniently by washing, thereby generating a pattern of hybridized target polynucleotide on the substrate surface. A variety of wash solutions are known to those of skill in the art and may be used. The resultant hybridization patterns of labeled, hybridized oligonucleotides and/or polynucleotides may be visualized or detected in a variety of ways, with the particular manner of detection being chosen based on the particular label of the test polynucleotide, where representative detection means include scintillation

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counting, autoradiography, fluorescence measurement, calorimetric measurement, light emission measurement and the like.

Image Acquisition and Data Analysis

5       Following hybridization and any washing step(s) and/or subsequent treatments, as described above, the resultant hybridization pattern is detected. In detecting or visualizing the hybridization pattern, the intensity or signal value of the label will be not only be detected but quantified, by which is meant that the signal from each spot of the hybridization will be measured and compared to a unit value corresponding to the signal emitted by a known number of end labeled target polynucleotides to obtain a count or absolute value of the copy  
10       number of each end-labeled target that is hybridized to a particular spot on the array in the hybridization pattern.

15       Methods for analyzing the data collected from hybridization to arrays are well known in the art. For example, where detection of hybridization involves a fluorescent label, data analysis can include the steps of determining fluorescent intensity as a function of substrate position from the data collected, removing outliers, i.e., data deviating from a predetermined statistical distribution, and calculating the relative binding affinity of the test polynucleotides from the remaining data. The resulting data is displayed as an image with the intensity in each region varying according to the binding affinity between associated oligonucleotides and/or polynucleotides and the test polynucleotides.

20       The following detection protocol is used for the simultaneous analysis of two cartilage samples to be compared, wherein each sample is labeled with a different fluorescent dye.

Each element of the microarray is scanned for the first fluorescent color. The intensity of the fluorescence at each array element is proportional to the expression level of that gene in the sample.

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The scanning operation is repeated for the second fluorescent label. The ratio of the two fluorescent intensities provides a highly accurate and quantitative measurement of the relative gene expression level in the two tissue samples.

5 In a preferred embodiment, fluorescence intensities of immobilized target nucleic acid sequences were determined from images taken with a custom confocal microscope equipped with laser excitation sources and interference filters appropriate for the Cy3 and Cy5 fluors. Separate scans were taken for each fluor at a resolution of  $225 \mu\text{m}^2$  per pixel and 65,536 gray levels. Image segmentation to identify areas of hybridization, normalization of the intensities between the two fluor images, and calculation of the normalized mean fluorescent values at  
10 each target are as described (Khan, et al., 1998, *Cancer Res.* 58:5009-5013. Chen, et al., 1997, *Biomed. Optics* 2:364-374). Normalization between the images is used to adjust for the different efficiencies in labeling and detection with the two different fluors. This is achieved by equilibrating to a value of one the signal intensity ratio of a set of internal control genes spotted on the array.

15 In another preferred embodiment, the array is scanned in the Cy 3 and Cy5 channels and stored as separate 16-bit TIFF images. The images are incorporated and analysed using software which includes a gridding process to capture the hybridization intensity data from each spot on the array. The fluorescence intensity and background-subtracted hybridization intensity of each spot is collected and a ratio of measured mean intensities of Cy5 to Cy3 is  
20 calculated. A liner regression approach is used for normalization and assumes that a scatter plot of the measured Cy5 versus Cy3 intensities should have a slope of one. The average of the ratios is calculated and used to rescale the data and adjust the slope to one. A post-normalization cutoff of greater than 1.0 fold up- or down-regulation is used to identify differentially expressed genes.

25 Following detection or visualization, the hybridization pattern is used to determine quantitative information about the genetic profile of the labeled target polynucleotide sample that was contacted with the array to generate the hybridization pattern, as well as the physiological source from which the labeled target polynucleotide sample was derived. By

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“genetic profile” is meant information regarding the types of polynucleotides present in the sample, e.g., such as the types of genes to which they are complementary, and/or the copy number of each particular polynucleotide in the sample. From this data, one can also derive information about the physiological source from which the target polynucleotide sample was derived, such as the types of genes expressed in the tissue or cell which is the physiological source of the target, as well as the levels of expression of each gene, particularly in quantitative terms.

Where one uses the subject methods to compare target polynucleotides from two or more physiological sources, the hybridization patterns may be compared to identify differences between the patterns. Where arrays in which each of the different nucleic acid members corresponds to a known gene are employed, any discrepancies are related to a differential expression of a particular gene in the physiological sources being compared. Thus, the subject methods find use in differential gene expression assays, where one may use the subject methods in the differential expression analysis of: (a) diseased vs. normal tissue, e.g., osteoarthritic and normal tissue, (b) tissue derived from different stages of osteoarthritis; and the like.

In a particularly preferred embodiment, where it is desired to quantify the transcription level (and thereby expression) of one or more polynucleotide sequences in a sample, the target nucleic acid sample is one in which the concentration of the mRNA transcript(s) of the gene or genes, or the concentration of the polynucleotides derived from the mRNA transcript(s), is proportional to the transcription level (and therefore expression level) of that gene. Similarly, it is preferred that the hybridization signal intensity be proportional to the amount of hybridized polynucleotide. While it is preferred that the proportionality be relatively strict (e.g., a doubling in transcription rate results in a doubling in mRNA transcript in the sample polynucleotide pool and a doubling in hybridization signal), one of skill will appreciate that the proportionality can be more relaxed and even non-linear and still provide meaningful results. Thus, for example, an assay where a 5 fold difference in concentration of the target mRNA results in a 3- to 6-fold difference in hybridization intensity is sufficient for most

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purposes. Where more precise quantification is required, appropriate controls are run to correct for variations introduced in sample preparation and hybridization as described herein. In addition, serial dilutions of "standard" target mRNAs are used to prepare calibration curves according to methods well known to those of skill in the art. Of course, where simple  
5 detection of the presence or absence of a transcript is desired, no elaborate control or calibration is required.

For example, if a microarray nucleic acid member is not labeled after hybridization, this indicates that the gene comprising that nucleic acid member is not expressed in either sample. If a nucleic acid member is labeled with a single color, it indicates that a labeled gene  
10 was expressed only in one sample. The labeling of a nucleic acid member comprising an array with both colors indicates that the gene was expressed in both samples. Even genes expressed once per cell are detected (1 part in 100,000 sensitivity). A difference in expression intensity in the two samples being compared is indicative of differential expression, the ratio of the intensity in the two samples being not equal to 1.0, preferably less than 0.7 or greater  
15 than 1.2, more preferably less than 0.5 or greater than 1.5.

Many human genes are expressed at different levels in cartilage of different developmental (fetal vs. mature) or disease states. In some cases, a gene is not expressed at all in some developmental or disease states, and at high levels in others. Differential analysis of chondrocyte gene expression in differing cartilage states using an EST-based approach is  
20 used to identify genes that may play important roles in osteoarthritis pathogenesis and cartilage repair. The advantage of this method is that it can provide gene expression information on a larger scale than other methods. The cDNA clones generated by this approach is useful for future functional studies of certain genes. This type of genomic-based approach can provide important novel insights into our understanding of the osteoarthritis  
25 disease process and provide for novel diagnostic, prognostic and therapeutic approaches.

Diagnostic or Prognostic Tests

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The invention also provides for diagnostic tests for detecting osteoarthritis. The invention also provides for prognostic tests for monitoring a patient's response to therapy.

According to the method of the invention, mild, moderate, marked or severe osteoarthritis is detected by obtaining a cartilage sample from a patient. In alternative  
5 embodiments, a blood or synovial fluid sample is obtained from a patient. A sample comprising nucleic acid corresponding to RNA (i.e., RNA or cDNA) is prepared from the patient cartilage (or blood or synovial fluid) sample. The sample comprising nucleic acid corresponding to RNA is hybridized to an array comprising a solid substrate and a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage  
10 isolated from a patient diagnosed with mild, moderate, marked or severe osteoarthritis, as compared to a "normal individual", according to the invention. According to this diagnostic test, hybridization of the sample comprising nucleic acid corresponding to RNA to one or more nucleic acid members on the array is indicative of disease.

A patient response to therapy is monitored by using a prognostic test according to the  
15 invention. In one aspect, a prognostic test according to the invention comprises obtaining a cartilage sample from a patient prior to treatment, during the course of treatment and after treatment. Preferably, the patient is treated for at least 12 hours before a sample is taken. In alternative embodiments, blood or synovial fluid samples are obtained from a patient prior to treatment, during the course of treatment and after treatment. A sample comprising nucleic  
20 acid corresponding to RNA (i.e., RNA or cDNA) is prepared from the patient cartilage (or blood or synovial fluid) samples. The samples comprising nucleic acid corresponding to RNA are hybridized to an array comprising a solid substrate and a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with mild, moderate, marked or severe osteoarthritis, as compared to a  
25 normal individual, according to the invention. Arrays are selected in accordance with the diagnostic state of the patient whose treatment is being monitored. According to this prognostic test, differential hybridization of the samples comprising nucleic acid corresponding to RNA isolated prior to and after treatment to one or more nucleic acid



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members on the array is indicative of an effective treatment. Preferably, gene expression profiles in patients being treated changes to resemble more closely gene expression profiles in patients with less severe forms of the disease or more preferably more closely resembles gene expression profiles in normal patients. The extent of change in a gene expression profile can be further correlated with various therapeutic endpoints such as a decrease in the severity and/or occurrence of one or more symptoms associated with the disease.

#### Therapeutic Agents

A useful therapeutic agent according to the invention can increase or decrease the anabolic and/or the catabolic activity of a chondrocyte. Preferably, a therapeutic agent can increase or decrease the anabolic and/or catabolic activity of a chondrocyte by greater than 1.0-fold, more preferably, 1.5-5-fold, and most preferably, 5-100-fold, as compared to an untreated chondrocyte.

In one embodiment, a therapeutic agent changes (e.g., increases or decreases) the level of expression of at least one polynucleotide sequence that is differentially expressed in a chondrocyte derived from any of the following chondrocyte disease or developmental stages: fetal, normal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic. Preferably, a therapeutic agent causes a change in the level of expression of a polynucleotide sequence or increase or decrease in the expression of a polynucleotide sequence that is differentially expressed in a chondrocyte derived from any of the following chondrocyte disease or developmental stages: fetal, normal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic, wherein the change is greater than 1.0-fold, more preferably 1.5-5-fold, and most preferably 5-100-fold, more or less than the level of expression in the absence of a candidate therapeutic agent.

In another embodiment, a therapeutic agent according to the invention can ameliorate at least one of the symptoms and/or changes associated with osteoarthritis including cartilage degeneration, or pain, swelling, weakness and/or loss of functional ability in the afflicted joints, associated with cartilage degeneration.

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The candidate therapeutic agent may be a synthetic compound, or a mixture of compounds, or may be a natural product (*e.g.* a plant extract or culture supernatant).

Candidate therapeutic agents or compounds from large libraries of synthetic or natural compounds can be screened. Numerous means are currently used for random and directed synthesis of saccharide, peptide, and nucleic acid-based compounds. Synthetic compound libraries are commercially available from a number of companies including Maybridge Chemical Co. (Trevillet, Cornwall, UK), Comgenex (Princeton, NJ), Brandon Associates (Merrimack, NH), and Microsource (New Milford, CT). A rare chemical library is available from Aldrich (Milwaukee, WI). Combinatorial libraries are available and are prepared. Alternatively, libraries of natural compounds in the form of bacterial, fungal, plant and animal extracts are available from *e.g.*, Pan Laboratories (Bothell, WA) or MycoSearch (NC), or are readily produceable by methods well known in the art. Additionally, natural and synthetically produced libraries and compounds are readily modified through conventional chemical, physical, and biochemical means.

Useful compounds may be found within numerous chemical classes. Useful compounds may be organic compounds, or small organic compounds. Small organic compounds have a molecular weight of more than 50 yet less than about 2,500 daltons, preferably less than about 750, more preferably less than about 350 daltons. Exemplary classes include heterocycles, peptides, saccharides, steroids, and the like. The compounds may be modified to enhance efficacy, stability, pharmaceutical compatibility, and the like. Structural identification of an agent may be used to identify, generate, or screen additional agents. For example, where peptide agents are identified, they may be modified in a variety of ways to enhance their stability, such as using an unnatural amino acid, such as a D-amino acid, particularly D-alanine, by functionalizing the amino or carboxylic terminus, *e.g.* for the amino group, acylation or alkylation, and for the carboxyl group, esterification or amidification, or the like.

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A therapeutic agent, according to the invention, can be a gene corresponding to an EST sequence identified from any of the cDNA libraries constructed from cartilage of different development and disease stages.

Each cDNA library revealed a number of EST sequences specific to the particular stage. The ESTs are first characterized according to their putative function (Tables 2-6) and their expression is confirmed by using microarrays, as described herein. Since osteoarthritis is a chronic disease caused by an imbalance between catabolic activity and anabolic activity, that is, an increase in catabolic activity and/or a decrease in anabolic activity, normal- or fetal-specific ESTs may be important in maintaining the normal metabolic function of cartilage so as to maintain a balance between the catabolic activity and the anabolic activity. Therefore, an increased expression of a full length gene sequence corresponding to one or more of these ESTs may restore the anabolic activity in disease cartilage. Therapy involving altered gene expression (e.g., gene therapy, gene disruption, antisense therapy, and the like) is useful according to the invention.

A full-length gene sequence corresponding to one of the normal- or fetal-specific genes is cloned by methods known in the art (e.g., Ausubel et al., John Wiley & Sons, Inc., 1997, *Current Protocols in Molecular Biology*). A cloned sequence is transfected into disease chondrocytes isolated from any stage of osteoarthritis (e.g., mild, moderate, marked, and severe). The ability of normal- or fetal-specific genes to complement the anabolic defect in the disease chondrocytes is accessed.

In one embodiment, this is achieved by examining the expression profile of disease chondrocytes transfected with a normal- or fetal-specific gene. A normal- or fetal-specific gene which is capable of restoring the expression profile of disease chondrocytes to more closely resemble that of normal or fetal chondrocytes is a useful candidate for treatment of osteoarthritis.

In another embodiment, the anabolic activity of disease chondrocytes transfected with a normal- or fetal- specific gene is measured as described by Westacott et al. (1996, *Semin*

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*Arthritis Rheum*, 25:254-72). A normal- or fetal-specific gene which increases the anabolic activity is useful for treatment of osteoarthritis.

Once a therapeutic gene is defined, the gene sequence is subcloned into a vector suitable for the purpose of gene therapy. Murine leukemia virus (MLV)-based retroviral  
5 vectors are one of the most widely used gene delivery vehicles in gene therapy clinical trials and have been employed in almost 70% of approved protocols (Ali, M. et al., 1994, *Gene Ther.*, 1:367-384; Marshall, 1995, *Science*, 269:1050-1055, 1995). Other useful vectors are also known in the art (e.g., Carter and Samulski, 2000, *Int. J. Mol. Med.* 6:17-27; Lever et al., 1999, *Biochem. Soc. Trans.* 27: 841-7). Methods for gene therapy of human diseases are  
10 described in U.S. Patent Nos. 6,190,907; 6,187,305; 6,140,087; and 6,129,705, for example, the entireties of which are incorporated by reference herein.

#### Dosage and Administration

Therapeutic agents of the invention are administered to a patient, preferably in a biologically compatible solution or a pharmaceutically acceptable delivery vehicle, by  
15 ingestion, injection, inhalation or any number of other methods routine in the art. The dosages administered will vary from patient to patient. A "therapeutically effective dose" is determined, for example, by the level of enhancement of function (e.g., increased or decreased chondrocyte anabolic activity, or an increase or decrease in the expression of at least one polynucleotide sequence that is differentially expressed in a chondrocyte derived from any of  
20 the following chondrocyte disease or developmental stages: fetal, normal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic or severe osteoarthritic).

A therapeutic agent according to the invention is administered in a single dose. This dosage may be repeated daily, weekly, monthly, yearly, or as considered appropriate by the treating physician.

25

Pharmaceutical Compositions

The invention provides for compositions comprising a therapeutic agent according to the invention admixed with a physiologically compatible carrier. As used herein, "physiologically compatible carrier" refers to a physiologically acceptable diluent such as water, phosphate buffered saline, or saline, and further may include an adjuvant. Adjuvants such as incomplete Freund's adjuvant, aluminum phosphate, aluminum hydroxide, or alum are materials well known in the art.

The invention also provides for pharmaceutical compositions. In addition to the active ingredients, these pharmaceutical compositions may contain suitable pharmaceutically acceptable carrier preparations which is used pharmaceutically.

Pharmaceutical compositions for oral administration are formulated using pharmaceutically acceptable carriers well known in the art in dosages suitable for oral administration. Such carriers enable the pharmaceutical compositions to be formulated as tablets, pills, dragees, capsules, liquids, gels, syrups, slurries, suspensions and the like, for ingestion by the patient.

Pharmaceutical preparations for oral use are obtained through a combination of active compounds with solid excipient, optionally grinding a resulting mixture, and processing the mixture of granules, after adding suitable auxiliaries, if desired, to obtain tablets or dragee cores. Suitable excipients are carbohydrate or protein fillers such as sugars, including lactose, sucrose, mannitol, or sorbitol; starch from corn, wheat, rice, potato, or other plants; cellulose such as methyl cellulose, hydroxypropylmethyl-cellulose, or sodium carboxymethyl cellulose; and gums including arabic and tragacanth; and proteins such as gelatin and collagen. If desired, disintegrating or solubilizing agents may be added, such as the cross-linked polyvinyl pyrrolidone, agar, alginic acid, or a salt thereof, such as sodium alginate.

Dragee cores are provided with suitable coatings such as concentrated sugar solutions, which may also contain gum arabic, talc, polyvinylpyrrolidone, carbopol gel, polyethylene glycol, and/or titanium dioxide, lacquer solutions, and suitable organic solvents or solvent

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mixtures. Dyestuffs or pigments may be added to the tablets or dragee coatings for product identification or to characterize the quantity of active compound, i.e., dosage.

5       Pharmaceutical preparations which are used orally include push-fit capsules made of gelatin, as well as soft, sealed capsules made of gelatin and a coating such as glycerol or sorbitol. Push-fit capsules can contain active ingredients mixed with a filler or binders such as lactose or starches, lubricants such as talc or magnesium stearate, and, optionally, stabilizers. In soft capsules, the active compounds may be dissolved or suspended in suitable liquids, such as fatty oils, liquid paraffin, or liquid polyethylene glycol with or without stabilizers.

10       Pharmaceutical formulations for parenteral administration include aqueous solutions of active compounds. For injection, the pharmaceutical compositions of the invention may be formulated in aqueous solutions, preferably in physiologically compatible buffers such as Hank's solution, Ringer' solution, or physiologically buffered saline. Aqueous injection suspensions may contain substances which increase the viscosity of the suspension, such as  
15       sodium carboxymethyl cellulose, sorbitol, or dextran. Additionally, suspensions of the active solvents or vehicles include fatty oils such as sesame oil, or synthetic fatty acid esters, such as ethyl oleate or triglycerides, or liposomes. Optionally, the suspension may also contain suitable stabilizers or agents which increase the solubility of the compounds to allow for the preparation of highly concentrated solutions.

20       For nasal administration, penetrants appropriate to the particular barrier to be permeated are used in the formulation. Such penetrants are generally known in the art.

The pharmaceutical compositions of the present invention may be manufactured in a manner known in the art, e.g. by means of conventional mixing, dissolving, granulating, dragee-making, levitating, emulsifying, encapsulating, entrapping or lyophilizing processes.

25       The pharmaceutical composition may be provided as a salt and are formed with many acids, including but not limited to hydrochloric, sulfuric, acetic, lactic, tartaric, malic, succinic, etc. Salts tend to be more soluble in aqueous or other protonic solvents that are the

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corresponding free base forms. In other cases, the preferred preparation may be a lyophilized powder in 1mM-50 mM histidine, 0.1%-2% sucrose, 2%-7% mannitol at a pH range of 4.5 to 5.5 that is combined with buffer prior to use.

After pharmaceutical compositions comprising a therapeutic agent of the invention  
5 formulated in a acceptable carrier have been prepared, they are placed in an appropriate container and labeled for treatment of an indicated condition with information including amount, frequency and method of administration.

*Efficacy of Osteoarthritis Therapy Using Defined Therapeutic Agents*

The efficacy of the therapy using any of the therapeutic agents according to the  
10 invention is determined by a medical practitioner. This determination may be related to alleviating osteoarthritis symptoms such as pain, swelling, weakness and loss of functional ability in the afflicted joint(s), and/or criteria for osteoarthritis diagnosis and staging described in Marshall (1996, supra).

The above disclosure generally describes the present invention. A more complete  
15 understanding can be obtained by reference to the following specific examples, which are provided herein for purposes of illustration only and are not intended to limit the scope of the invention.

**Examples**

The examples below are non-limiting and are merely representative of various aspects  
20 and features of the present invention

**Example 1: RNA Extraction And Fetal cDNA Library Construction**

A cDNA library was prepared from fetal cartilage. ESTs were obtained from the cDNA library and evaluated to create one or more gene expression profiles for fetal chondrocytes.

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Human fetal femoral cartilage RNA was extracted from pooled specimens of aborted fetuses (8-12 weeks). Samples were finely powdered under liquid nitrogen, and total RNA was extracted using TRIzol® reagent (GIBCO/BRL). Purity and integrity of RNA was assessed by absorbance at 260/280nm and agarose gel electrophoresis. The poly (A)<sup>+</sup> RNA fraction was isolated by oligo-dT cellulose chromatography (Pharmacia), and 3-5 ug poly (A)<sup>+</sup> RNA was used to construct a cDNA library in the λ ZAP Express vector (Stratagene). First-strand cDNA was synthesized with an Xho I-oligo (dT) adapter-primer in the presence of 5'-methyl dCTP. After second-strand synthesis and ligation of EcoRI adapters, the cDNA was digested with Xho I, resulting in cDNA flanked by EcoRI sites at the 5'-ends and Xho I sites at the 3'-ends. Digested cDNAs were size-fractionated in Sephacryl S-500 spin columns (Stratagene), then ligated into the λ ZAP Express vector predigested with EcoRI and Xho I. The resulting DNA/cDNA concatomers were packaged using Gigapack Gold packaging extracts. After titration, aliquots of primary packaging mix were stored in 7% DMSO at -80°C as primary library stocks, and the rest were amplified to establish stable library stocks.

15 Large-scale sequencing of cDNA inserts

From the amplified λ ZAP Express library, phage plaques were plated at a density of 200-500 pfu/150 mm plate onto *Escherichia coli* XL1-blue MRF' lawn with IPTG/X-gal for color selection. Plaques were picked into 75 ul suspension media buffer (100 mM NaCl, 10 mM MgSO<sub>4</sub>, 1 mM Tris, pH7.5, 0.02% gelatin). Phage elutes (5 ul) were used for PCR reactions (50 ul total volume) with 125 umol/L of each dNTP (Pharmacia), 10 pmol each of modified T3 (5'-GCCAAGCTCGAAATTAACCCTCACTAAAG GG-3') and T7 (5'-CCAGTGAATTGTAATACGACTCACTATAGGGCG-3') primers, and 2 U of Taq DNA polymerase (Pharmacia). Reactions were cycled in a DNA Thermal Cycler (Perkin-Elmer) [denaturation at 95°C for 5 minutes, followed by 30 cycles of amplification (94°C, 45 seconds; 55°C, 30 seconds; 72°C, 3 minutes) and a terminal isothermal extension (72°C, 3 minutes)]. Agarose gel electrophoresis was used to assess the presence and purity of inserts. PCR products are subjected to DNA sequencing reactions using specific primers, BigDye™ Terminator Cycle Sequencing v2.0 Ready Reaction (PE Biosystems), Tris MgCl buffer and



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water in a thermocycler. Sequencing reactions were incubated at 94°C for 2 minutes, followed by 25 cycles of 94°C, 30 seconds; 55°C, 20 seconds; and 72°C, 1 minute; and 15 cycles of 94°C, 30 seconds; and 72°C for 1 minute; and 72°C for 5 minutes. Reactions were then put on hold at 4°C until purified through methods well known in the prior art (i.e. column  
5 purification or alcohol precipitation). Automated sequencing was carried out with a PE Biosystems ABI Prism 3700 DNA Analyzer.

Sequences were manually edited or edited using Sequencher software (GeneCodes). All edited EST sequences were compared to the non-redundant Genbank/EMBL/DDBJ and dbEST databases using the BLAST algorithm (8). A minimum value of  $P = 10^{-10}$  and  
10 nucleotide sequence identity >95% were required for assignments of putative identities for ESTs matching to known genes or to other ESTs. Construction of a non-redundant list of genes represented in the EST set was done with the help of Unigene, Entrez and PubMed at the National Center for Biotechnology Information (NCBI) site (<http://www.ncbi.nlm.nih.gov/>). Relative gene expression frequency was calculated by  
15 dividing the number of EST copies for each gene by the total number of ESTs analyzed. Functional characterization of ESTs with known gene matches was made according to the categories described by Hwang et al., "A Genome-Based Resource for Molecular Cardiovascular Medicine: Toward a Compendium of Cardiovascular Genes." *Circulation* 1997;96:4146-203).

20 A total of 13,398 ESTs were obtained from the human fetal cartilage cDNA library. Of these, 5,747 ESTs (41.8%) matched to known gene sequences, 1,855 ESTs (13.4%) matched to other ESTs, and 3,053 (22.0%) matched to mitochondrial, ribosomal, vector and cDNA/hypothetical protein sequences. The 209 ESTs (4.7%) that did not match to any known sequences were designated as novel. The remainder matched to genomic DNA sequences  
25 (1,948 ESTs, 13.8%) and repetitive sequences (586 ESTs, 4.3%).

The 13,398 EST sequences in the fetal library were characterized based on the functional classification of the 2,579 unique known genes they represented. The following table sets out the results of this analysis.

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Table 2. Fetal Cartilage Library		
Putative Function	Percent (%) of Representation in the Library	Number of genes
Cell division	7.06	182
Cell signaling/communication	15.01	387
Cell structure/motility	10.90	281
Cell/organism defense	7.60	196
Gene/protein expression	22.22	573
Metabolism	14.89	384
Unclassified	22.33	576
Total known/unique genes analyzed	100.00	2,579

### Example 2: RNA Extraction And Normal Adult cDNA Library Construction

A cDNA library was prepared from normal adult cartilage. ESTs were obtained from the cDNA library and characterized to create one or more gene expression profiles for normal adult chondrocytes.

#### Large-scale sequencing of cDNA inserts

cDNA libraries were constructed into  $\lambda$ Triplex2 vector through a PCR-based method, using SMART (Switching Mechanism At 5' end of RNA Transcript) cDNA Library Construction Kit (Clontech). Phage plaques were randomly picked and positive inserts were identified by PCR. Agarose gel electrophoresis was used to assess the presence and purity of inserts. PCR product was then subjected to automated DNA sequencing with a 5' vector-specific forward primer and sequenced by ABI PRISM 377 DNA sequencer (Perkin Elmer) and ABI PRISM 3700 DNA Analyzer (Applied Biosystems). All generated EST sequences were searched against the nonredundant Genebank/EMBL/DDBL, dbEST and GSS databases. A minimum value of  $p=10^{-10}$  and nucleotide sequence identity >90% were required for assignments of putative identities for EST-matching to known genes or other ESTs. Relative

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EST frequency level was calculated by dividing the EST number matched to that gene into the total number of ESTs obtained from the library.

Sequences were manually edited or edited using Sequencher software (GeneCodes). All edited EST sequences were compared to the non-redundant Genbank/EMBL/DDBJ and dbEST databases using the BLAST algorithm (8). A minimum value of  $P = 10^{-10}$  and nucleotide sequence identity >95% were required for assignments of putative identities for ESTs matching to known genes or to other ESTs. Construction of a non-redundant list of genes represented in the EST set was done with the help of Unigene, Entrez and PubMed at the National Center for Biotechnology Information (NCBI) site (<http://www.ncbi.nlm.nih.gov/>). Relative gene expression frequency was calculated by dividing the number of EST copies for each gene by the total number of ESTs analyzed. Functional characterization of ESTs with known gene matches was made according to the categories described by Hwang et al (Hwang DM, Dempsey AA, Wang RX, Rezvani M, Barrans JD, Dai KS, et al. A Genome-Based Resource for Molecular Cardiovascular Medicine: Toward a Compendium of Cardiovascular Genes. Circulation 1997;96:4146-203).

A total of 17,151 ESTs were obtained from the normal cartilage cDNA library. Of these, 6,755 ESTs (44.2%) matched to 2,518 known genes. 1.4% (132 ESTs) showed no significant match and were thus designated as novel. Characterization of the 17,151 EST sequences based on functional classification of known/unique genes resulted in the following table:

Table 3. Normal Adult Cartilage Library		
Putative function	Percent (%) of representation in the library	Number of genes
Cell division	6.13	160
Cell signaling/communication	13.52	353
Cell structure/motility	9.00	235
Cell/organism defense	7.51	196
Gene/protein expression	20.08	524

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Metabolism	13.14	343
Unclassified	27.09	707
Total known/unique genes analyzed	100.00	2518

### **Example 3: RNA Extraction and cDNA Library Construction From Mild Osteoarthritic Chondrocytes and Severe Osteoarthritic Chondrocytes**

A cDNA library was prepared from mild osteoarthritic cartilage and severe osteoarthritic cartilage. ESTs were obtained from the cDNA libraries and characterized to create one or more gene expression profiles for mild osteoarthritic chondrocytes and severe osteoarthritic chondrocytes.

Articular cartilage was obtained during either arthroscopic knee surgery or total knee replacement. The cartilage samples were obtained from either areas of very early cartilage degeneration (mild) or from sites of end stage disease (severe). cDNA libraries were constructed as described for normal adult samples (Example 2).

#### Large-scale sequencing of cDNA inserts

cDNA libraries were constructed into  $\lambda$ TripleEx2 vector through a PCR-based method, using SMART (Switching Mechanism At 5' end of RNA Transcript) cDNA Library Construction Kit (Clontech). Phage plaques were randomly picked and positive inserts were identified by PCR. Agarose gel electrophoresis was used to assess the presence and purity of inserts. PCR product was then subjected to automated DNA sequencing with a 5' vector-specific forward primer and sequenced by ABI PRISM 377 DNA sequencer (Perkin Elmer) and ABI PRISM 3700 DNA Analyzer (Applied Biosystems). All generated EST sequences were searched against the nonredundant Genbank/EMBL/DBBL, dbEST and GSS databases. A minimum value of  $p=10^{-10}$  and nucleotide sequence identity >90% were required for assignments of putative identities for EST-matching to known genes or other ESTs. Relative EST frequency level was calculated by dividing the EST number matched to that gene into the total number of ESTs obtained from the library.

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Sequences were manually edited or edited using Sequencher software (GeneCodes). All edited EST sequences were compared to the non-redundant Genbank/EMBL/DDBJ and dbEST databases using the BLAST algorithm (8). A minimum value of  $P = 10^{-10}$  and nucleotide sequence identity  $>95\%$  were required for assignments of putative identities for

5 ESTs matching to known genes or to other ESTs.

Construction of a non-redundant list of genes represented in the EST set was done with the help of Unigene, Entrez and PubMed at the National Center for Biotechnology Information (NCBI) site (<http://www.ncbi.nlm.nih.gov/>). Relative gene expression frequency was calculated by dividing the number of EST copies for each gene by the total number of

10 ESTs analyzed.

Functional characterization of ESTs with known gene matches was made according to the categories described by Hwang et al (Hwang DM, Dempsey AA, Wang RX, Rezvani M, Barrans JD, Dai KS, et al. A Genome-Based Resource for Molecular Cardiovascular Medicine: Toward a Compendium of Cardiovascular Genes. Circulation 1997;96:4146-203).

15 A total of 12,651 ESTs and 14,222 ESTs were obtained from the mild and severe OA cDNA libraries (Table 5 and Table 6), respectively. About 43% of mild and 51% of severe OA ESTs matched to known genes in the database. Approximately 2.6% and 1.5% of the ESTs, respectively, resulted in no significant match and were thus designated as novel.

Characterization of the 12,651 EST sequences from the mild OA library and of the

20 14,222 EST sequences from the severe OA library based on functional characterization of the known genes represented resulted in the following tables:

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Table 4. Mild OA Cartilage Library		
Putative Function	Percent (%) of Representation in the Library	Number of Genes
Cell division	6.39	127
Cell signaling/communication	15.31	304
Cell structure/motility	9.16	182
Cell/organism defense	8.41	167
Gene/protein expression	21.60	429
Metabolism	13.95	277
Unclassified	22.76	452
Total known/unique genes analyzed	100.00	1938

Table 5. Severe OA Cartilage Library		
Putative Function	Percent (%) of Representation in the Library	Number of genes
Cell division	6.81	157
Cell signaling/communication	14.14	326
Cell structure/motility	8.50	196
Cell/organism defense	7.98	184
Gene/protein expression	22.94	529
Metabolism	13.53	312
Unclassified	23.94	552
Total known/unique genes analyzed	100.00	2256

**Example 4: Identification Of Differentially Expressed Genes In Fetal, Normal Mild Osteoarthritic, And Severe Osteoarthritic Cartilage**

Genes that are differentially expressed as defined herein between normal, mild, severe and fetal cartilage were identified through relative EST frequency analysis (see Figure 6). Of the 5,807 known unique genes identified in Figure 6, 405 genes were found to be expressed in all four tissue types. Examples of the possible subanalyses are shown in Figures 15 and 16. Some of these genes with particularly marked differential expression are shown in Figure 4. The relative frequency of ESTs representing collagens (Figures 2 and 3) and selected extracellular matrix proteins (see Figure 1) were also analyzed.

**Example 5: Microarray Construction**

A microarray according to the invention was constructed as follows.

PCR products (~40 ul) of cDNA clones from OA cartilage cDNA libraries, in the same 96-well tubes used for amplification, are precipitated with 4 ul (1/10 volume) of 3M sodium acetate (pH 5.2) and 100 ul (2.5 volumes) of ethanol and stored overnight at -20°C. They are then centrifuged at 3,300 rpm at 4°C for 1 hour. The obtained pellets were washed with 50 ul ice-cold 70% ethanol and centrifuged again for 30 minutes. The pellets are then air-dried and resuspended well in 50% dimethylsulfoxide (DMSO) or 20ul 3X SSC overnight. The samples are then deposited either singly or in duplicate onto Gamma Amino Propyl Silane (Corning CMT-GAPS or CMT-GAP2, Catalog No. 40003, 40004) or polylysine-coated slides (Sigma Cat. No. P0425) using a robotic GMS 417 or 427 arrayer (Affymetrix, CA). The boundaries of the DNA spots on the microarray are marked with a diamond scribe. The invention provides for arrays wherein 10-20,000 PCR products are spotted onto a solid support to prepare an array.

The arrays are rehydrated by suspending the slides over a dish of warm particle free ddH<sub>2</sub>O for approximately one minute (the spots will swell slightly but not run into each other) and snap-dried on a 70-80°C inverted heating block for 3 seconds. DNA is then UV

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crosslinked to the slide (Stratagene, Stratalinker, 65 mJ – set display to “650” which is 650 x 100 uJ) or baked at 80C for two to four hours. The arrays are placed in a slide rack. An empty slide chamber is prepared and filled with the following solution: 3.0 grams of succinic anhydride (Aldrich) is dissolved in 189 ml of 1-methyl-2-pyrrolidinone (rapid addition of reagent is crucial); immediately after the last flake of succinic anhydride dissolved, 21.0 ml of 0.2 M sodium borate is mixed in and the solution is poured into the slide chamber. The slide rack is plunged rapidly and evenly in the slide chamber and vigorously shaken up and down for a few seconds, making sure the slides never leave the solution, and then mixed on an orbital shaker for 15-20 minutes. The slide rack is then gently plunged in 95°C ddH<sub>2</sub>O for 2 minutes, followed by plunging five times in 95% ethanol. The slides are then air dried by allowing excess ethanol to drip onto paper towels. The arrays are then stored in the slide box at room temperature until use.

#### **Example 6: Target Nucleic acid Preparation and Hybridization**

##### Preparation of Fluorescent DNA Probe from mRNA

15 Fluorescently labeled target nucleic acid samples are prepared for analysis with an array of the invention.

20 2 µg Oligo-dT primers are annealed to 2 ug of mRNA isolated from a cartilage sample from patient diagnosed with osteoarthritis or suspected of having osteoarthritis in a total volume of 15 ul, by heating to 70°C for 10 min, and cooled on ice. The mRNA is reverse transcribed by incubating the sample at 42°C for 1.5-2 hours in a 100 µl volume containing a final concentration of 50 mM Tris-HCl (pH 8.3), 75 mM KCl, 3 mM MgCl<sub>2</sub>, 25 mM DTT, 25 mM unlabeled dNTPs, 400 units of Superscript II (200 U/uL, Gibco BRL), and 15 mM of Cy3 or Cy5 (Amersham). RNA is then degraded by addition of 15µl of 0.1N NaOH, and incubation at 70°C for 10 min. The reaction mixture is neutralized by addition of 15µl of 25 0.1N HCL, and the volume is brought to 500µl with TE (10mM Tris, 1mM EDTA), and 20 µg of Cot1 human DNA (Gibco-BRL) is added.



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The labeled target nucleic acid sample is purified by centrifugation in a Centricon-30 micro-concentrator (Amicon). If two different target nucleic acid samples (e.g., two samples derived from different patients) are being analyzed and compared by hybridization to the same array, each target nucleic acid sample is labeled with a different fluorescent label (e.g., Cy3 and Cy5) and separately concentrated. The separately concentrated target nucleic acid samples (Cy3 and Cy5 labeled) are combined into a fresh centricon, washed with 500 $\mu$ l TE, and concentrated again to a volume of less than 7 $\mu$ l. 1 $\mu$ L of 10 $\mu$ g/ $\mu$ l polyA RNA (Sigma, #P9403) and 1  $\mu$ l of 10 $\mu$ g/ $\mu$ l tRNA (Gibco-BRL, #15401-011) is added and the volume is adjusted to 9.5  $\mu$ l with distilled water. For final target nucleic acid preparation 2.1 $\mu$ l 20XSSC (1.5M NaCl, 150mM NaCitrate (pH8.0)) and 0.35 $\mu$ l 10%SDS is added.

#### Hybridization

Labeled nucleic acid is denatured by heating for 2 min at 100°C, and incubated at 37°C for 20-30 min before being placed on a nucleic acid array under a 22mm x 22mm glass cover slip. Hybridization is carried out at 65°C for 14 to 18 hours in a custom slide chamber with humidity maintained by a small reservoir of 3XSSC. The array is washed by submersion and agitation for 2-5 min in 2X SSC with 0.1%SDS, followed by 1X SSC, and 0.1X SSC. Finally, the array is dried by centrifugation for 2 min in a slide rack in a Beckman GS-6 tabletop centrifuge in Microplus carriers at 650 RPM for 2 min.

#### **Example 7: Signal Detection And Data Generation**

Following hybridization of an array with one or more labeled target nucleic acid samples, arrays are scanned immediately using a GMS Scanner 418 and Scanalyzer software (Michael Eisen, Stanford University), followed by GeneSpring software (Silicon Genetics, CA) analysis. Alternatively, a GMS Scanner 428 and Jaguar software may be used followed by GeneSpring software analysis

If one target nucleic acid sample is analyzed, the sample is labeled with one fluorescent dye (e.g., Cy3 or Cy5).

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After hybridization to a microarray as described in Example 6, fluorescence intensities at the associated nucleic acid members on the microarray are determined from images taken with a custom confocal microscope equipped with laser excitation sources and interference filters appropriate for the Cy3 or Cy5 fluors.

5           The presence of Cy3 or Cy5 fluorescent dye on the microarray indicates hybridization of a target nucleic acid and a specific nucleic acid member on the microarray. The intensity of Cy3 or Cy5 fluorescence represents the amount of target nucleic acid which is hybridized to the nucleic acid member on the microarray, and is indicative of the expression level of the specific nucleic acid member sequence in the target sample.

10           When two target nucleic acid samples are being analyzed and compared (e.g., mild osteoarthritic vs severe osteoarthritic), one target nucleic acid sample (for example, mild osteoarthritic) is labeled with fluorescent dye Cy3, the other target nucleic acid sample (for example, severe osteoarthritis) is labeled with fluorescent dye Cy5.

15           After hybridization as described in Example 6, fluorescence intensities at the associated nucleic acid members on the microarray are determined from images taken with a custom confocal microscope equipped with laser excitation sources and interference filters appropriate for the Cy3 and Cy5 fluors. Separate scans are taken for each fluor at a resolution of  $225 \mu\text{m}^2$  per pixel and 65,536 gray levels. Normalization between the images is used to adjust for the different efficiencies in labeling and detection with the two different fluors.

20           This is achieved by manual matching of the detection sensitivities to bring a set of internal control genes to nearly equal intensity followed by computational calculation of the residual scalar required for optimal intensity matching for this set of genes.

25           The presence of Cy3 or Cy5 fluorescent dye on the microarray indicates hybridization of a target nucleic acid and a specific nucleic acid member on the microarray. The intensities of Cy3 or Cy5 fluorescence represent the amount of target nucleic acid which is hybridized to the nucleic acid member on the microarray, and is indicative of the expression level of the specific nucleic acid member sequence in the target sample. If a nucleic acid member on the

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array shows no color, it indicates that the gene in that element is not expressed in either sample. If a nucleic acid member on the array shows a single color, it indicates that a labeled gene is expressed only in that cell sample. The appearance of both colors indicates that the gene is expressed in both tissue samples. The differences in Cy3 and Cy5 fluorescence intensities, after normalization, are indicative of differences of expression levels of the associated nucleic acid member sequence in the two samples for comparison. Differences in expression intensity between the two samples greater than 1.0 fold are used as an indication of differential gene expression.

The array is scanned in the Cy 3 and Cy5 channels and stored as separate 16-bit TIFF images. The images are incorporated and analysed using Scanalyzer software which includes a gridding process to capture the hybridization intensity data from each spot on the array. The fluorescence intensity and background-subtracted hybridization intensity of each spot is collected and a ratio of measured mean intensities of Cy5 to Cy3 is calculated. A linear regression approach is used for normalization and assumes that a scatter plot of the measured Cy5 versus Cy3 intensities should have a slope of one. The average of the ratios is calculated and used to rescale the data and adjust the slope to one. A post-normalization cutoff of greater than 1.0 fold up- or down-regulation is used to identify differentially expressed genes.

Analysis of a microarray comprising some of the sequences in Figure 14, resulted in 36 candidate upregulated genes in the mild OA library that showed a greater than 2-fold median ratio and 47 candidate downregulated genes that showed a less than 0.2-fold median ratio (Figures 9 and 10, respectively). A total of 38 candidate upregulated genes were also identified in the severe OA library that showed a greater than 2-fold median ratio and 51 candidate downregulated genes that showed a less than 0.2-fold median ratio (Figures 11 and 12, respectively). According to this embodiment, the microarray was hybridized with a target nucleic acid sample derived from an individual diagnosed with mild osteoarthritis and a target nucleic acid sample derived from an individual diagnosed with severe osteoarthritis. As would be clear to a person skilled in the art, similar analysis can be performed for any of the

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sequences identified in Figure 13, or the sequences identified in Figure 6A which correspond to the genes disclosed in Figure 6 using the methods disclosed herein.

**Example 8: Chondrocyte-Specific Gene Microarray And Diagnosis Microarray Construction**

5           A collection of nucleic acid members are spotted on a glass slide as described in Example 5 for the construction of a mild OA diagnosis microarray. A collection of nucleic acid members are spotted on a glass slide as described in Example 5 for the construction of a severe OA diagnosis microarray. A collection of chondrocyte specific nucleic acid members are spotted on a glass slide as described in Example 5 for the construction of a chondrocyte-specific gene microarray. The nucleic acid members spotted onto the microarrays described  
10           are selected from those named in Figures 6B, 6C, 6D and 6E.

**Example 9: Diagnosis**

          Target nucleic acid samples are prepared from cartilage RNA extracts of an individual (as described in Example 6) and hybridized to a microarray comprising a collection of nucleic  
15           acid members wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with mild, moderate, marked or severe osteoarthritis, as compared to cartilage isolated from a normal individual as defined herein (as described in Example 6). A hybridization pattern is generated and analyzed as in Example 7. For example, the hybridization of target nucleic acid samples to one or more nucleic acid members on the  
20           microarray comprising a collection of nucleic acid members wherein at least one member is differentially expressed in mild osteoarthritis cartilage as compared to a normal individual is indicative of a mild osteoarthritis of the individual from whom the target nucleic acid sample is derived. The hybridization of target nucleic acid samples to one or more nucleic acid members on the microarray comprising a collection of nucleic acid members differentially  
25           expressed in severe osteoarthritis cartilage as compared to the normal individual is indicative of severe osteoarthritis of the individual from whom the target nucleic acid sample is derived.

**Example 10: Therapeutic Agent Screening**

A candidate therapeutic agent that increases or decreases the expression of one or more polynucleotide sequences that are differentially expressed in a chondrocyte derived from any of the following chondrocyte disease or developmental stages: fetal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic, is screened according to the following method.

Chondrocytes are isolated from a "normal" individual and are incubated in the presence and absence of a candidate agent for varying amounts of time (i.e., 30 min, 1 hr, 5 hr, 24 hr, 48 hr and 96 hrs). When screening for therapeutic genes, a clone of a full gene sequence corresponding to an EST in Figure 6A or Figure 13 is used to transfect chondrocytes. The transfected chondrocytes are cultured for varying amounts of time (i.e., 1, 2, 3, 5, 7, 10, or 14 days). Following incubation, target nucleic acid samples are prepared from the chondrocytes and hybridized to a nucleic acid probe corresponding to a polynucleotide sequence which is differentially expressed in a chondrocyte derived from at least any two of the following of: fetal, normal, mild osteoarthritic, moderate osteoarthritic and severe osteoarthritic. The nucleic acid probe is labeled, for example with a radioactive label, according to methods well-known in the art and described herein. Hybridization is carried out by northern blot, for example as described in Ausubel et al., *supra* or Sambrook et al., *supra*). The differential hybridization, as defined herein, of the probe to the target nucleic acid samples from normal relative to RNA from any one of fetal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic is indicative of the level of expression of RNA corresponding to a differentially expressed chondrocyte specific polynucleotide sequence. A change in the level of expression of the probe sequence as a result of the incubation step in the presence of the candidate agent, is indicative of an agent that increases or decreases the expression of the corresponding chondrocyte specific polynucleotide sequence.

**Example 11: Assessing The Integrity Of Cartilage RNA Isolated Post-Mortem**

The following Baboon cartilage study was performed to evaluate the quality of freshly isolated RNA and RNA isolated at various times post-mortem.

Nine vials of baboon cartilage were obtained, and stored in liquid nitrogen till use.

- 5 Baboon cartilage from each vial was weighed and finely powdered under liquid nitrogen. The sample was then homogenized in TRIzol® reagent (0.1g/ml TRIzol®) and total RNA was extracted. The quantity of RNA was calculated according to the OD<sub>260</sub> value. The appearance of two sharp bands on the RNA gel indicated that the RNA was of good quality.

- 10 RT-PCR was performed for the gene expression of collagen type II (COL2A1), B-actin and GAPDH, using 0.1ug total RNA from each sample.

The RNA gel pattern clearly shows that the RNA was not degraded up to 12 hours post-mortem (Table 7). Therefore stable RNA should be expected from the biopsy sample within 12 hours after death.

Table 7. Integrity Of Cartilage RNA Isolated Post-Mortem							
Sample No.	Time Taken	Weight (g)	Total RNA (ug) - Based on OD260	RNA Gel (non Dil)	Col2A1	β-actin	GAPDH
1	Fresh	0.175	8	OK	++	++	++
2	1hr pm	0.29	9	OK	++	++	++
3	2hr	0.29	11.36	OK	++	+/-	+/-
4	3hr	0.25	2.8	OK	++	+/-	+/-
5	6hr	0.53	8.0	OK	++	+	+/-
6	8hr	0.18	5.26	OK	++	+	-
7	10hr	0.38	9.35	OK	++	+	+/-

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8	12hr	0.20	6.7	OK	++	+/-	-
9	24hr	0.41	9.35	SMEAR	+/-	-	-

Collagen type II is abundant and specific to normal articular cartilage. Its mRNA level was comparable among all the samples except #9 (24 hours post-mortem). It should be noted that samples taken earlier will better reflect the natural *in vivo* state.

#### **Example 12. Expressed Sequence Tags (ESTs) Analysis of Human Chondrocyte Gene Expression in Mild and Severe Osteoarthritic Cartilage**

Large-scale partial sequencing of cDNA libraries obtained from human fetal cartilage was performed to identify expressed sequence tags (ESTs) corresponding to genes that might play critical roles in OA progression. Large scale sequencing of cDNA libraries from human normal, mild and severe OA cartilage was also performed and a total of over 44,000 ESTs from the three cDNA libraries were analyzed.

Normal cartilage was obtained from the donor program of Department of Orthopaedics and Rehabilitation, University of Miami. OA cartilage samples were obtained from either areas of very early cartilage degeneration (mild) or from sites of end stage disease (severe) during either arthroscopic knee surgery or total knee replacement. Total RNA from cartilage was extracted using TRIzol® reagent (GIBCO). cDNA libraries were constructed into λTriplEx2 vector through a PCR-based method, using SMART (Switching Mechanism At 5' end of RNA Transcript) cDNA Library Construction Kit (Clontech) as described above. Phage plaques were randomly picked and positive inserts were identified by PCR. Agarose gel electrophoresis was used to assess the presence and purity of inserts. PCR product was then subjected to automated DNA sequencing with a 5' vector-specific forward primer and sequenced by ABI PRISM 377 DNA sequencer (Perkin Elmer) and ABI PRISM 3700 DNA Analyzer (Applied Biosystems). All generated EST sequences were searched against the nonredundant Genbank/EMBL/DDBL, dbEST and GSS databases. A minimum value of  $p=10^{-10}$  and nucleotide sequence identity >90% were required for assignments of putative

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identities for EST-matching to known genes or other ESTs. Relative EST frequency level was calculated by dividing the EST number matched to that gene into the total number of ESTs obtained from the library.

A total of 17,151 ESTs, 12,651 ESTs and 14,222 ESTs were obtained from normal, mild and severe OA cDNA libraries respectively and used for gene expression profiling. About 44% of the total ESTs from these three cDNA libraries matched to known genes in the database, and about 0.9% of the ESTs (409) resulted in no significant match to known sequences and were thus designated as novel. Nonredundancy analysis of the known gene matches resulted in the identification of 2,518 unique genes in normal, 1,938 in mild and 2,256 in severe OA cartilage. Differentially expressed known genes amongst fetal (22), normal, mild, and severe OA cartilage (23) were identified by examining relative EST frequency levels as shown in Figure 6.

Some of the genes with particularly marked differential expression are shown in Figure 4 provided herewith. Heat shock protein 90 (HSP90) was the gene with the most abundant ESTs matches in mild OA. Its transcript level was low in fetal cartilage. Beta-2 microglobulin (B2M) level was higher in diseased cartilage than normal cartilage, and significantly higher in diseased cartilage than in fetal cartilage. Its EST levels in mild and severe OA were similar. Osteoblast specific factor 2 (OSF-2p1) was highly expressed in severe OA compared to fetal, mild and normal cartilage. Another differentially expressed gene was megakaryocyte stimulating factor (MSF, also known as superficial zone protein, or proteoglycan 4). It had a significantly higher expression in mild OA than in severe OA.

The relative frequency of ESTs representing the collagens was also analyzed as shown in Figure 3.

Noncollagenous matrix protein profiles showed higher EST levels of decorin (DCN), fibronectin (FN), lumican (LUM) and matrix G1a protein (MGP) in both mild and severe OA cartilage as shown in Figures 1 and 4 provided herewith.



**Example 13. Microarray Analysis Of Beta-2 Microglobulin (B2M) Expression In Human Osteoarthritis**

5           As discussed above, Beta-2 microglobulin (B2M) had a high EST expression level in mild and severe OA cartilage. B2M is a nonglycosylated polypeptide that is elevated in inflammatory and malignant diseases. It has been shown to induce stromelysin and cyclooxygenase-2 synthesis in human synovial fibroblasts (24, 25).

10           B2M expression during different stages of osteoarthritis was evaluated. Human OA synovial fluid (SF) was collected from human knee joint by aspiration at arthroscopy or total knee replacement. Normal samples were collected from volunteers with no history of knee injury or arthritis. Organ culture was performed as follows: human severe OA cartilage slices were cultured at one slice/well in a 24-well plate in DMEM (Dulbecco's modified Eagle medium), with 10% FCS, 100 units/ml penicillin and 100 mg/ml streptomycin (DMEM++) at  
15   37°C in a humidified atmosphere of 5% CO<sub>2</sub>. Cultured medium (20 ul) was then collected at different time points for B2M testing. B2M levels in synovial fluid and cartilage organ cultured medium were measured using a B2M enzyme immunoassay test kit (ALPCO). Statistical significance was assessed by Student's t-test with P values less than 0.05 being considered significant. Cell culture of chondrocytes from patients with severe OA was  
20   performed as follows. Chondrocytes were derived from cartilage from patients with severe OA through collagenase type II digestion. Cells were then seeded at  $6.5 \times 10^4$ /well ( $3.2 \times 10^4$ /ml) in a 6-well plate and treated with or without 10 ug/ml B2M (Sigma) for 72 hr. Microarrays containing 5184 chondrocyte-specific cDNA clones were used for gene expression profiling.

25           The average B2M levels detected in normal (nor), mild (mioa), moderate (mooa), marked (maoa) and severe OA (seoa) synovial fluid are shown in Figure 17. B2M in osteoarthritis synovial fluid is significantly higher than that in normal. However, no significant difference was found in B2M levels among different osteoarthritis stages.

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To assess if chondrocytes contribute B2M secretion, medium from cultured severe OA cartilage was collected and tested for B2M. Figure 18 shows the release of B2M is detectable after 24 hour culture and continues to increase during the 72 hour study period. At 72 hours, the accumulation of B2M was about 2.1 ug/g cartilage. Similar results were obtained across  
 5 three experimental runs, each using cartilage from a different donor.

Genes regulated by B2M were detected through microarray technology as described above. Figure 19 shows a black and white representation of a two-color fluorescent scan. Cy3 labeling (which would appear as green spots) correspond to genes preferentially expressed in non-B2M treated chondrocytes, while Cy5 labeling (which would appear as  
 10 reddish spots) represent genes preferentially expressed in B2M treated chondrocytes. Genes expressed at approximately equal levels would appear as yellow spots. The identity of genes was determined by the location of nucleic acid members on the array. Some of the genes that were up or down-regulated at least two-fold by B2M are listed in Table 8.

Table 8. Genes Regulated by B2M	
Up-Regulated	Down-Regulated
Adrenomedullin	hypothetical protein (KIAA0102)
chitinase precursor=YKL-39	intersectin short form
collagen type III, alpha 1	KARP-1 binding protein 2 (KAB2)
manganese superoxide dismutase (SOD-2)	peripheral myelin protein 22 (PMP22)
syntaxin 7	putative GTP binding protein

15 Variations, modifications, and other implementations of what is described herein will occur to those of ordinary skill in the art without departing from the spirit and scope of the invention. The references provided below are incorporated herein by reference in their entireties.

20

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What is claimed is:

### Claims

1. One or more isolated polynucleotide sequences selected from the group consisting of those sequences identified in Figure 6A which correspond to genes 1-5807 identified in Figure 6 and/or those sequences identified in Figure 13.
2. A vector comprising an isolated polynucleotide sequence of claim 1.
3. A host cell comprising the vector of claim 2.
4. A composition comprising one or more chondrocyte enriched or chondrocyte-specific polynucleotide sequences isolated from one or more of (a) fetus, (b) normal, (c) mildly osteoarthritic, (d) moderately osteoarthritic, (e) markedly osteoarthritic or (f) severely osteoarthritic cartilage samples.
5. A composition comprising one or more polynucleotide sequences selected from the group consisting of sequences identified in Figure 6B whose sequences are disclosed in Figure 14.
6. A composition comprising one or more polynucleotide sequences selected from the group consisting of sequences identified in Figure 6C whose sequences are disclosed in Figure 14.
7. A composition comprising one or more polynucleotide sequences selected from the group consisting of sequences identified in Figure 6D whose sequences are disclosed in Figure 14.
8. A composition comprising one or more polynucleotide sequences selected from the group consisting of those sequences identified in Figure 6E whose sequences are disclosed in Figure 14.

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9. A composition comprising one or more polynucleotide sequences selected from the group consisting of those sequences identified in Figure 6B, 6C, 6D, and 6E whose sequences are disclosed in Figure 14.
- 5 10. A composition comprising one or more polynucleotide sequences wherein at least one of said polynucleotide sequences is differentially expressed in cartilage from a patient diagnosed with mild osteoarthritis relative to cartilage from a normal individual, wherein cartilage isolated from said normal individual is isolated from cartilage tissue obtained less than 14 hours post-mortem.
- 10 11. A composition comprising one or more polynucleotide sequences wherein at least one of said polynucleotide sequences is differentially expressed in cartilage from a patient diagnosed with severe osteoarthritis relative to cartilage derived from a normal individual, wherein cartilage isolated from said normal individual is isolated from cartilage tissue obtained less than 14 hours post-mortem.
- 15 12. A composition comprising one or more polynucleotide sequences wherein at least one of said polynucleotide sequences is differentially expressed in cartilage from a patient diagnosed with marked osteoarthritis relative to cartilage derived from a normal individual, wherein cartilage isolated from said normal individual is isolated from cartilage tissue obtained less than 14 hours post-mortem.
- 20 13. A composition comprising one or more polynucleotide sequences wherein at least one of said polynucleotide sequences is differentially expressed in cartilage from a patient diagnosed with moderate osteoarthritis relative to cartilage derived from a normal individual, wherein cartilage isolated from said normal individual is isolated from cartilage tissue obtained less than 14 hours post-mortem.
- 25 14. A composition comprising one or more polynucleotide sequences wherein at least one of said polynucleotide sequences is differentially expressed in cartilage from a patient diagnosed with mild osteoarthritis relative to cartilage isolated from a fetus.

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15. A composition comprising one or more polynucleotide sequences wherein at least one of said polynucleotide sequences is differentially expressed in cartilage from a patient diagnosed with moderate osteoarthritis relative to cartilage isolated from a fetus.
- 5 16. A composition comprising one or more polynucleotide sequences wherein at least one of said polynucleotide sequences is differentially expressed in cartilage from a patient diagnosed with marked osteoarthritis relative to cartilage isolated from a fetus.
17. A composition comprising one or more polynucleotide sequences wherein at least one of said polynucleotide sequences is differentially expressed in cartilage from a patient diagnosed with severe osteoarthritis relative to cartilage isolated from a fetus.
- 10 18. A composition comprising one or more polynucleotide sequences wherein at least one of said polynucleotide sequences is differentially expressed in cartilage from normal individual relative to cartilage isolated from a fetus.
- 15 19. A composition comprising one or more polynucleotide sequences wherein at least one of said polynucleotide sequences is differentially expressed in cartilage isolated from any two or more of the following sources: (a) fetus (b) patient with mild osteoarthritis, (c) patient with moderate osteoarthritis, (d) patient with marked osteoarthritis, (e) patient with severe osteoarthritis or (f) cartilage isolated from a normal individual isolated from cartilage tissue obtained less than 14 hours post-mortem.
- 20 20. A composition comprising one or more polynucleotide sequences identified in Figure 9 and/or sequences identified in Figure 6A which correspond to the genes disclosed in Figure 9.
21. A composition comprising one or more polynucleotide sequences identified in Figure 11 and/or sequences identified in Figure 6A which correspond to the genes disclosed in Figure 11.



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22. A composition comprising one or more polynucleotide sequences identified in Figure 6A which correspond to the genes disclosed in Figure 15 and Figure 16.
23. A composition comprising one or more polynucleotides sequences identified in Figure 6A which correspond to the genes disclosed in Figure 6.
- 5 24. A composition comprising one or more polynucleotide sequences comprising one or more of the sequences disclosed in Figure 13.
25. An array comprising:
- 10 a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage from a patient diagnosed with mild osteoarthritis, as compared to cartilage from a normal individual; and a solid substrate; wherein each nucleic acid member has a unique position on said array and is stably associated with said solid substrate.
26. An array comprising:
- 15 a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with severe osteoarthritis, as compared to cartilage from a normal individual; and a solid substrate; wherein each nucleic acid member has a unique position on said array and is stably associated with said solid substrate.
27. An array comprising:
- 20 a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with moderate osteoarthritis, as compared to cartilage from a normal individual; and a solid substrate, wherein each nucleic acid member has a unique position on said array and is stably associated with said solid substrate.

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28. An array comprising:
- a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with marked osteoarthritis, as compared to cartilage from a normal individual; and a solid substrate, wherein each nucleic acid member has a unique position on said array and is stably associated with said solid substrate.
29. An array comprising:
- a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a fetus, as compared to cartilage from a normal individual; and a solid substrate, wherein each nucleic acid member has a unique position on said array and is stably associated with said solid substrate.
30. An array comprising:
- a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from any two or more of the following sources: (a) a fetus, (b) patient with mild osteoarthritis (c) patient with moderate osteoarthritis (d) patient with marked osteoarthritis (e) severe osteoarthritis, or (f) cartilage from a normal individual and a solid substrate, wherein each nucleic acid member has a unique position on said array and is stably associated with said solid substrate.
31. The array of claim 25, 26, 27, 28, 29 or 30 wherein said normal individual is living.
32. The array of claim 25, 26, 27, 28, 29 or 30 wherein said cartilage isolated from said normal individual is isolated from cartilage tissue less than 14 hours post-mortem.
33. The array of claim 25, 26, 27, 28, 29, 30, 31 or 32 wherein each nucleic acid member is at least 50 nucleotides.

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34. The array of claim 25, 26, 27, 28, 29, 30, 31, 32 or 33 wherein said array comprises from 10 to 20,000 positions.
35. The array of claim 25, 26, 27, 28, 29, 30, 31, 32, 33, or 34 further including negative and positive control sequences and RNA quality control sequences selected from the group consisting of cDNA sequences encoded by housekeeping genes, plant gene sequences, bacterial sequences, PCR products and vector sequences.
36. A method of diagnosing mild osteoarthritis in a patient, comprising: hybridizing a nucleic acid sample corresponding to RNA to an array comprising a solid substrate and a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with mild osteoarthritis, as compared to cartilage isolated from a normal individual, wherein cartilage isolated from said normal individual is isolated from cartilage tissue less than 14 hours post-mortem, and wherein each nucleic acid member has a unique position and is stably associated with the solid substrate, and wherein hybridization of said nucleic acid sample to one or more said differentially expressed nucleic acid members is indicative of mild osteoarthritis.
37. A method of diagnosing moderate osteoarthritis in a patient comprising: hybridizing a nucleic acid sample corresponding to RNA to an array comprising a solid substrate and a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with moderate osteoarthritis, as compared to cartilage isolated from a normal individual, wherein cartilage isolated from said normal individual is isolated from cartilage tissue less than 14 hours post-mortem, and wherein each nucleic acid member has a unique position and is stably associated with said solid substrate, and wherein hybridization of said nucleic acid sample to one or more said differentially expressed nucleic acid members is indicative of moderate osteoarthritis.

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38. A method of diagnosing marked osteoarthritis in a patient comprising: hybridizing a nucleic acid sample corresponding to RNA to an array comprising a solid substrate and a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with marked osteoarthritis, as compared to cartilage isolated from a normal individual, wherein cartilage isolated from said normal individual is isolated from cartilage tissue less than 14 hours post-mortem, wherein each nucleic acid member has a unique position and is stably associated with said solid substrate, and wherein hybridization of said nucleic acid sample to one or more said differentially expressed nucleic acid members is indicative of marked osteoarthritis.
39. A method of diagnosing severe osteoarthritis in a patient comprising: hybridizing a nucleic acid sample corresponding to RNA to an array comprising a solid substrate and a plurality of nucleic acid members, wherein at least one member is differentially expressed in cartilage isolated from a patient diagnosed with severe osteoarthritis, as compared to cartilage isolated from a normal individual, wherein cartilage isolated from said normal individual is isolated from cartilage tissue less than 14 hours post-mortem, wherein each nucleic acid member has a unique position and is stably associated with the solid substrate, and wherein hybridization of said nucleic acid sample to one or more said differentially expressed nucleic acid members is indicative of severe osteoarthritis.
40. The method of claim 36, 37, 38 or 39 further comprising the step of isolating RNA from said patient.
41. The method of claim 40 further comprising the step of isolating RNA from a cartilage sample.
42. The method of claim 40 further comprising the step of isolating RNA from a blood sample.

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43. The method of claim 40 further comprising the step of isolating RNA from a synovial fluid sample.
44. The method of claim 41, 42 and 43 further comprising the step of preparing a nucleic acid sample corresponding to the said RNA.
- 5 45. A method of identifying an agent that increases or decreases the expression of a polynucleotide sequence that is differentially expressed in a chondrocyte derived from any of the following chondrocyte disease or developmental stages: fetal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic, comprising:
- 10 incubating a chondrocyte derived from a normal individual with a candidate agent, wherein said chondrocyte is isolated from a cartilage sample obtained from said normal individual less than 14 hours post-mortem; isolating RNA from said chondrocyte; and hybridizing a probe to said RNA, said probe corresponding to a polynucleotide sequence which is differentially expressed in
- 15 a chondrocyte derived from at least one of the following of: fetal, normal, mild osteoarthritic, moderate osteoarthritic, marked osteoarthritic and severe osteoarthritic, wherein differential hybridization of said probe to said RNA from said normal individual relative to RNA from one or more of fetal, mild osteoarthritic, marked osteoarthritis moderate osteoarthritis or severe
- 20 osteoarthritic samples is indicative of the level of expression of RNA corresponding to a differentially expressed chondrocyte-specific polynucleotide sequence, and wherein, as a result of said incubation step in the presence of said candidate agent, a change in the level of expression of said polynucleotide sequence is indicative of an agent that increases or decreases the expression of
- 25 said chondrocyte specific polynucleotide sequence.
46. A method of preparing a chondrocyte cDNA library comprising,

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- a)isolating chondrocytes from a cartilage sample derived from one or more normal individuals, wherein said cartilage sample is obtained less than 14 hours post-mortem;
- b) isolating mRNA from said chondrocytes;
- 5 c) synthesizing cDNA from said mRNA; and
- d) ligating said cDNA into a vector.
47. A method of preparing a chondrocyte cDNA library comprising,
- a) isolating chondrocytes from a cartilage sample derived from one or more living normal individuals;
- 10 b) isolating mRNA from said chondrocytes;
- c) synthesizing cDNA from said mRNA; and
- d) ligating said cDNA into a vector.
48. A method of preparing a chondrocyte cDNA library comprising,
- a) isolating chondrocytes from a cartilage sample derived from one or more patients diagnosed with mild osteoarthritis
- 15 b) isolating mRNA from said chondrocytes;
- c) synthesizing cDNA from said mRNA; and
- d) ligating said cDNA into a vector.

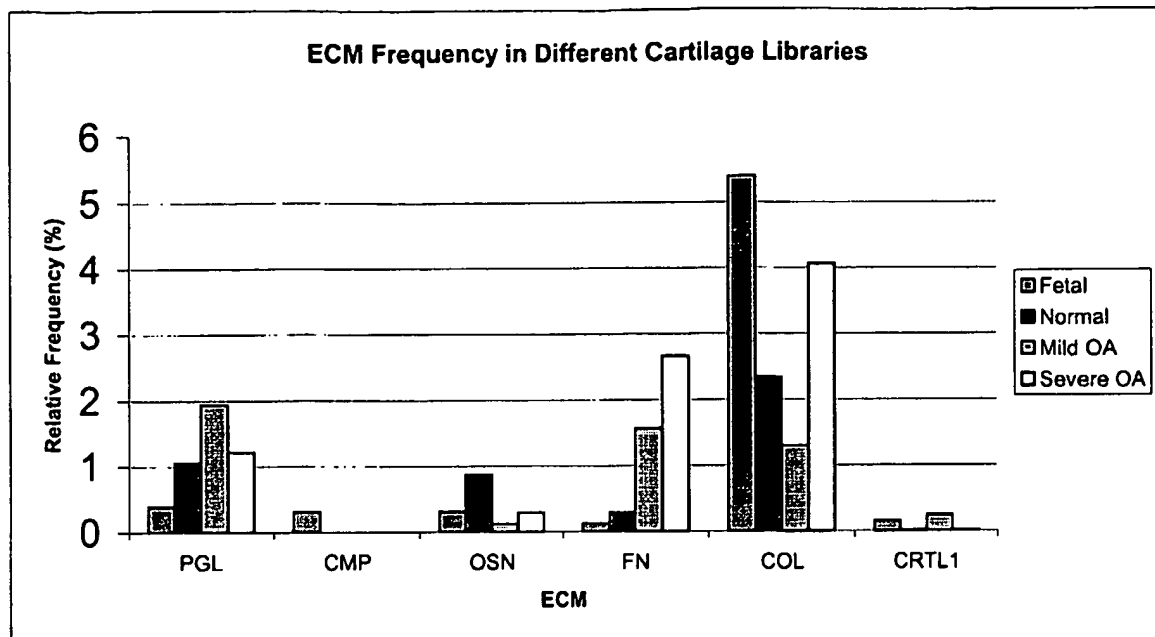
49. A method of preparing a chondrocyte cDNA library comprising,
- a) isolating chondrocytes from a cartilage sample derived from one or more patients diagnosed with moderate osteoarthritis
  - 5 b) isolating mRNA from said chondrocytes;
  - c) synthesizing cDNA from said mRNA; and
  - e) ligating said cDNA into a vector.
50. A method of preparing a chondrocyte cDNA library comprising,
- 10 a) isolating chondrocytes from a cartilage sample derived from one or more patients diagnosed with marked osteoarthritis
  - b) isolating mRNA from said chondrocytes;
  - c) synthesizing cDNA from said mRNA; and
  - d) ligating said cDNA into a vector.
- 15 51. A method of preparing a chondrocyte cDNA library comprising,
- a) isolating chondrocytes from a cartilage sample derived from one or more patients diagnosed with severe osteoarthritis
  - b) isolating mRNA from said chondrocytes;
  - c) synthesizing cDNA from said mRNA; and
  - 20 f) ligating said cDNA into a vector.

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52. A method of preparing a chondrocyte cDNA library comprising,
- a) isolating chondrocytes from one or more fetuses;
  - b) isolating mRNA from said chondrocytes;
  - c) synthesizing cDNA from said mRNA; and
  - 5 d) ligating said cDNA into a vector.
53. A method of making an array comprising a plurality of nucleic acid members selected from those sequences identified in Figure 14 on a solid support, said support comprising a surface with a plurality of pre-selected unique regions, said method comprising:
- 10                   spotting each nucleic acid member individually onto a unique pre-selected region and stably attaching each nucleic acid member to said solid support.
54. The method of claim 53, wherein at least one nucleic acid member is differentially expressed in cartilage isolated from (a) a fetus or a patient diagnosed with (b) mild, (c) moderate, (d) marked, (e) severe osteoarthritis, or (f) cartilage isolated from a normal
- 15 individual as compared to a cDNA library prepared from any other of the sources (a) to (f) above.
55. The method of claim 54, wherein the cartilage isolated from one or more normal individuals is isolated from cartilage tissue less than 14 hours post-mortem.
56. A method of claim 54 wherein the cartilage is isolated from one or more living normal
- 20 individuals.
57. A kit comprising an array of claim 25, 26, 27, 28, 29, 30, 31, 32, 33, 34 or 35 and packaging means therefore.

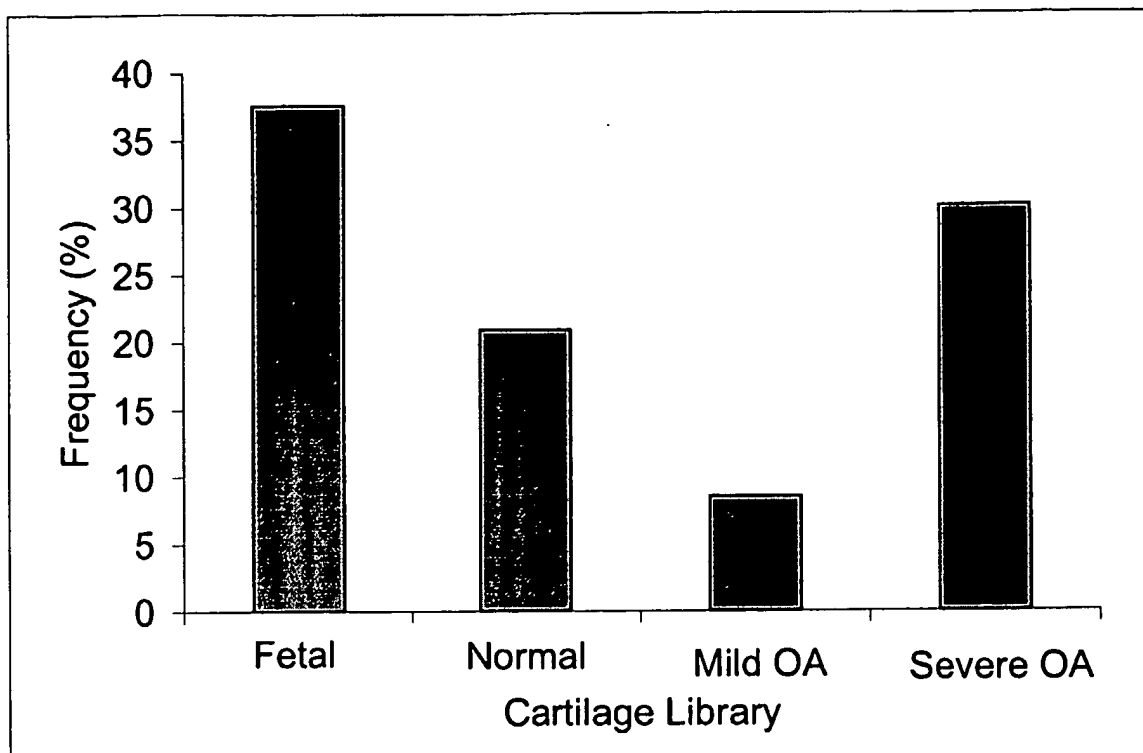


Figure 1- Relative EST Frequencies of Selected ECM Proteins

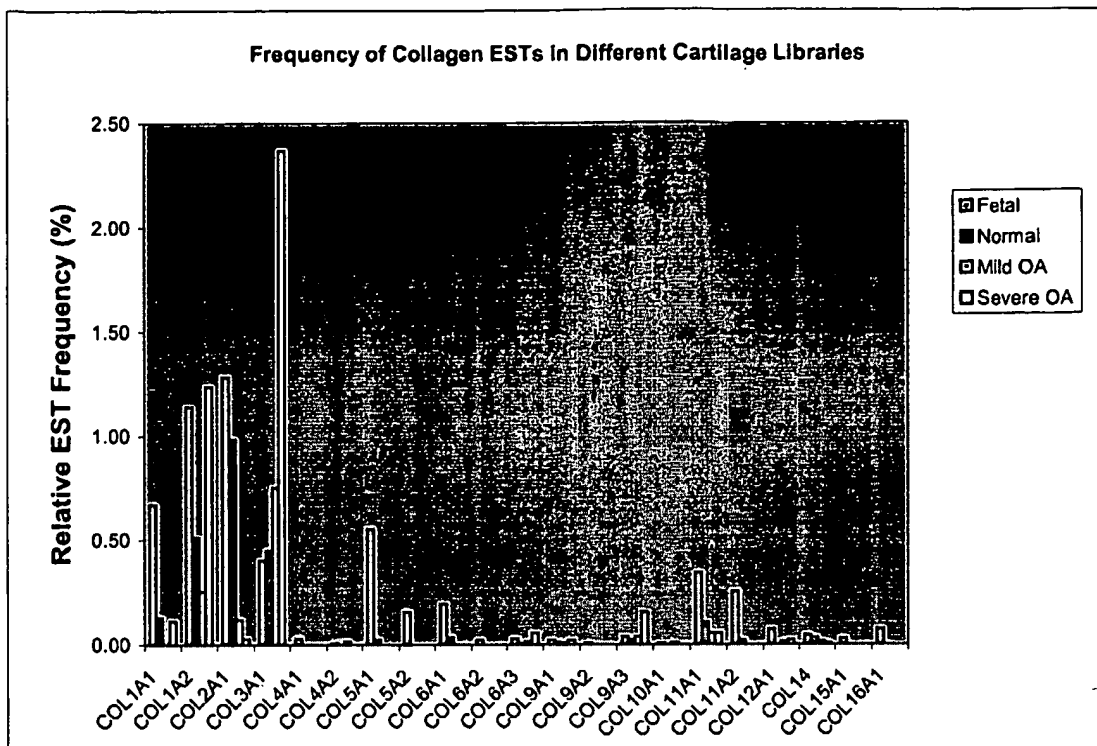


**Legend:** PGL=proteoglycan, CMP=cartilage matrix proteins, OSN=osteonectin, FN=fibronectin, COL=collagens, CRTL 1=cartilage link protein

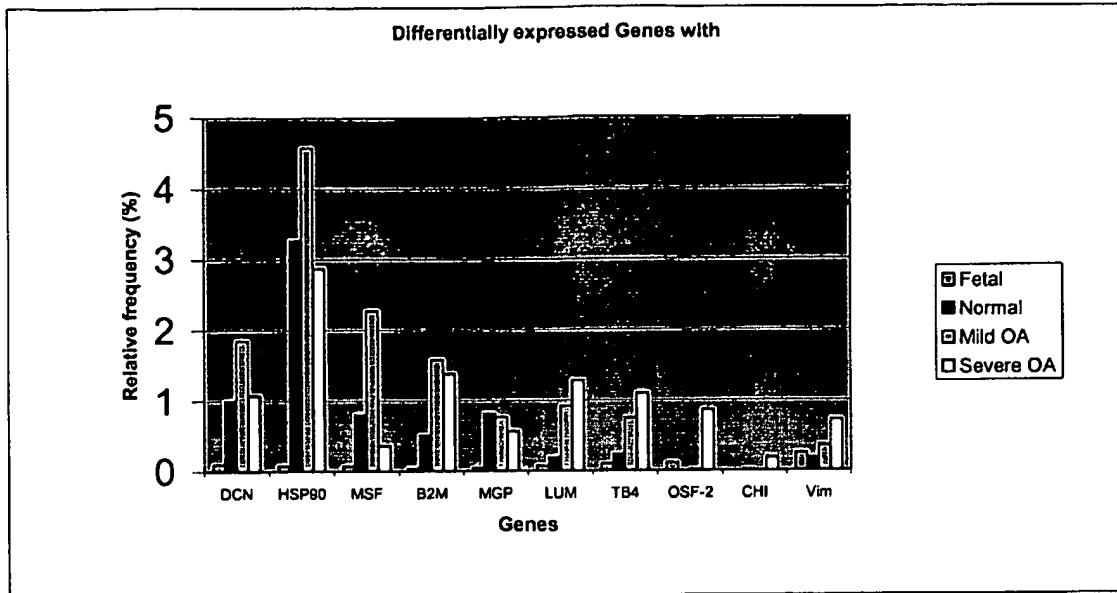
	Fetal		Normal		Mild		Severe	
<b>PROTEOGLYCANS</b>								
aggrecan (cartilage specific proteoglycan)	14		1		4		3	
chondroitin sulfate proteoglycan 2 (versican) (CSPG2)	1		4		2		0	
chondroitin sulfate proteoglycan 4 (melanoma-associated) (CSPG4)	3		0		0		0	
dermatan sulfate proteoglycan 3 (DSPG3)	7		0		0		0	
heparan sulfate proteoglycan (HSPG)	9		4		4		12	
keratocan (keratan sulfate proteoglycan)	2		0		0		0	
bone/cartilage proteoglycan I precursor (Biglycan) (PG-S1)	2		1		1		4	
decorin (chondroitin/dermatan sulfate proteoglycan PG40 =DCN)	14		172		234		154	
<b>Total</b>	<b>52</b>		<b>182</b>		<b>245</b>		<b>173</b>	
		%		%		%		%
Proteoglycans	52	0.39	182	1.06	245	1.94	173	1.22
cartilage matrix protein (CMP) genes	42	0.31	0	0.00	0	0.00	0	0.00
osteonectin (secreted protein, acidic, cysteine-rich SPARC)	42	0.31	149	0.87	15	0.12	42	0.30
fibronectin	18	0.12	50	0.29	198	1.57	379	2.67
Collagen	722	5.39	401	2.34	164	1.30	578	4.06
cartilage link protein (CRTL1) (ORF)	20	0.15	2	0.01	31	0.25	1	0.01
<b>Total</b>	<b>894</b>		<b>784</b>		<b>653</b>		<b>1173</b>	

**Figure 2 - Relative Frequency of Collagen ESTs**

cDNA Library	Collagen ESTs	Frequency (%)
Fetal	722	37.6
Normal	401	20.9
Mild OA	164	8.5
Severe OA	578	30.1
Total Collagen ESTs	1865	



	Fetal	13398	Normal	17152	Mild	12651	Severe	14221
Collagen Genes	722	%	401	%	164	%	578	%
collagen type I alpha 1 (COL1A1)	90	0.67	22	0.13	0	0.00	16	0.11
collagen type I alpha 2 (COL1A2)	153	1.14	88	0.51	32	0.25	176	1.24
collagen type II alpha 1 (COL2A1)	172	1.28	169	0.99	15	0.12	4	0.03
collagen type III alpha 1 (COL3A1)	54	0.40	77	0.45	95	0.75	337	2.37
collagen type IV alpha 2 (COL4A2)	4	0.03	0	0.00	0	0.00	0	0.00
collagen type IV alpha 1 (COL4A1)	1	0.01	0	0.00	2	0.02	0	0.00
collagen type IX alpha 1 (COL9A1)	74	0.55	4	0.02	0	0.00	0	0.00
collagen type IX alpha 2 (COL9A2)	21	0.16	0	0.00	0	0.00	0	0.00
Collagen type IX alpha 3 (COL9A3)	26	0.19	6	0.03	0	0.00	0	0.00
collagen type V alpha 1 (COL5A1)	3	0.02	0	0.00	0	0.00	0	0.00
collagen type V alpha 2 (COL5A2)	4	0.03	1	0.01	2	0.02	8	0.06
collagen type VI alpha 1 (COL6A1)	3	0.02	2	0.01	1	0.01	3	0.02
Collagen type VI alpha 2 (COL6A2)	1	0.01	0	0.00	0	0.00	0	0.00
collagen type VI alpha 3 (COL6A3)	5	0.04	4	0.02	5	0.04	22	0.15
collagen type X alpha 1 (COL10A1)	1	0.01	0	0.00	1	0.01	0	0.00
collagen type XI alpha 1 (COL11A1)	46	0.34	18	0.10	7	0.06	8	0.06
collagen type XI alpha2 (COL11A2)	34	0.25	4	0.02	0	0.00	0	0.00
collagen type XII alpha 1 (COL12A1)	10	0.07	0	0.00	2	0.02	3	0.02
collagen type XIV (COL14)	6	0.04	6	0.03	2	0.02	1	0.01
collagen type XV alpha 1 (COL15A1)	4	0.03	0	0.00	0	0.00	0	0.00
collagen type XVI collagen alpha 1 (COL16A1)	10	0.07	0	0.00	0	0.00	0	0.00
Total	722	5.39	401	2.34	164	1.30	578	4.06



Selected Genes	Fetal	%	Normal	%	Mild	%	Severe	%
		13398		17152		12651		14221
decorin (chondroitin/dermatan sulfate proteoglycan PG40 =DCN)	14	0.10	172	1.00	234	1.85	154	1.08
alpha gene sequence (=heat shock protein 90) (=PRO2853)(=HSP90)	11	0.08	561	3.27	580	4.58	408	2.87
proteoglycan 4= megakaryocyte stimulating factor; MSF=SZP	10	0.07	138	0.80	287	2.27	51	0.36
beta-2-microglobulin (RefSeq aa 6e-66)	6	0.04	88	0.51	200	1.58	196	1.38
matrix Gla protein (MGP)	8	0.04	140	0.82	97	0.77	80	0.56
lumican (LUM)	9	0.07	33	0.19	116	0.92	182	1.28
thymosin beta-4	14	0.10	40	0.23	95	0.75	156	1.10
osf-2 mRNA for osteoblast specific factor 2 (OSF-2p1)	15	0.11	0	0.00	1	0.01	123	0.86
chitinase (HUMTCHIT)	0	0.00	1	0.01	0	0.00	25	0.18
vimentin gene	33	0.25	31	0.18	46	0.36	102	0.72
Total	118		1204		1656		1477	

Category	Fetal		Normal		Mild		Severe		Total
	# of ESTs		# of ESTs		# of ESTs		# of ESTs		
Known/Named Genes	5747	41.80%	6755	39.20%	5467	42.90%	7298	51.10%	25267
Mitochondrial	258	1.90%	392	2.30%	485	3.80%	385	2.70%	1520
Ribosomal	1930	14.10%	1254	7.30%	539	4.20%	883	6.20%	4606
Repetitive Sequences	586	4.30%	1362	7.90%	725	5.60%	399	2.80%	3072
Vector	107	0.80%	5	0.00%	1	0.00%	1	0.00%	114
EST Match	1855	13.40%	1522	8.80%	1976	15.40%	2048	14.30%	7401
Genomic Sequence Match	1948	13.80%	3979	22.90%	2442	18.70%	1939	13.40%	10308
cDNA/Hypothetical Protein	758	5.20%	1750	10.20%	868	6.80%	1140	7.90%	4516
No Significant Match	209	4.70%	132	1.40%	148	2.60%	129	1.50%	618
	13398		17151		12651		14222		57422

Total ESTs from each library			13398	17151	12651	14222	57422				
	Gene Name	Accession #	Fetal	Normal	Mild	Severe	Total				
1	alpha gene sequence (=HSP90)	AF203815.1	11	0.08%	561	3.27%	580	4.58%	408	2.87%	1560
2	mitochondrial genome (consensus sequence)	X62996	112	0.84%	181	1.06%	291	2.30%	194	1.36%	778
3	fibronectin (FN)	X02761.1	16	0.12%	50	0.29%	198	1.57%	379	2.66%	643
4	decorin (DCN)	NM_001920.1	14	0.10%	172	1.00%	234	1.85%	154	1.08%	574
5	collagen type III alpha 1 (COL3A1)	X06700	54	0.40%	77	0.45%	95	0.75%	337	2.37%	563
6	beta-2 microglobulin gene (B2M)	gb AF072097.1	6	0.04%	88	0.51%	200	1.58%	196	1.38%	490
7	proteoglycan 4 (=megakaryocyte stimulating fac	AAB09089.1	10	0.07%	138	0.80%	287	2.27%	51	0.36%	486
8	collagen type I alpha 2 (COL1A2)	NM_000089.1	153	1.14%	88	0.51%	32	0.25%	176	1.24%	449
9	mitochondrion, complete genome (=AF382012.1	NC_001807.2	96	0.72%	141	0.82%	114	0.90%	92	0.65%	443
10	collagen type II alpha 1 (COL2A1)	J00116.1	172	1.28%	169	0.99%	15	0.12%	4	0.03%	360
11	ribosomal DNA complete repeating unit	U13369.1	11	0.08%	303	1.77%	28	0.22%	15	0.11%	357
12	elongation factor 1 alpha 1 (EEF1A1)	NM_001402.1	150	1.12%	66	0.38%	36	0.28%	89	0.63%	341
13	lumican (LUM)	NM_002345.1	9	0.07%	33	0.19%	116	0.92%	182	1.28%	340
14	matrix Gla protein (MGP)	X53331	6	0.04%	140	0.82%	97	0.77%	80	0.56%	323
15	thymosin beta-4 (TMSB4X)	M17733	14	0.10%	40	0.23%	95	0.75%	156	1.10%	305
16	osteonectin gene (SPARC) secreted protein, aci	M25746.1	42	0.31%	149	0.87%	15	0.12%	42	0.30%	248
17	ribosomal protein S27 (=metallopainstimulin 1 M	NM_001030.1	36	0.27%	105	0.61%	36	0.28%	70	0.49%	247
18	vimentin gene (VIM)	Z19554	33	0.25%	31	0.18%	46	0.36%	102	0.72%	212
19	ribosomal protein L7	X52967	45	0.34%	44	0.26%	63	0.50%	54	0.38%	206
20	scrapie responsive protein 1 (SCRG1)	NM_007281.1	3	0.02%	59	0.34%	56	0.44%	50	0.35%	168
21	connective tissue growth factor (CTGF)	U14750	6	0.04%	78	0.45%	44	0.35%	31	0.22%	159
22	tumor protein translationally-controlled 1 (TPT1)	NM_003295.1	45	0.34%	50	0.29%	26	0.21%	37	0.26%	158
23	putative p150	AAC51271.1	4	0.03%	99	0.58%	20	0.16%	22	0.15%	145
24	osteoblast specific factor 2 (OSF-2os)	D13666.1	15	0.11%	0	0.00%	1	0.01%	123	0.86%	139
25	collagen type I alpha 1 (COL1A1)	X06269	90	0.67%	22	0.13%	0	0.00%	16	0.11%	128
26	Ribosomal protein S20 (RPS20)	NM_001023.1	42	0.31%	17	0.10%	23	0.18%	42	0.30%	124
27	ribosomal protein L9	U09953	47	0.35%	30	0.17%	12	0.09%	30	0.21%	119
28	ribosomal protein L34 (RPL34)	NM_000995.1	23	0.17%	27	0.16%	22	0.17%	36	0.25%	108
29	calmodulin 1 (phosphorylase kinase, delta) (CAL	NM_006888.1	7	0.05%	23	0.13%	31	0.25%	46	0.32%	107
30	ribosomal RNA 18S	X03205	12	0.09%	47	0.27%	24	0.19%	20	0.14%	103
31	ribosomal protein L41	AF026844.1	22	0.16%	47	0.27%	14	0.11%	20	0.14%	103
32	serine protease=HTRA serine protease (PRSS1	Y07921	5	0.04%	7	0.04%	32	0.25%	57	0.40%	101
33	ribosomal protein S3a	M77234	22	0.16%	31	0.18%	18	0.14%	28	0.20%	99
34	ribosomal protein, large, P0 (RPLP0)	NM_001002.1	56	0.42%	23	0.13%	6	0.05%	11	0.08%	96
35	metallothionein 1L (MT1L)	NM_002450.1	2	0.01%	85	0.50%	5	0.04%	1	0.01%	93
36	ribosomal protein S8 (RPS8)	NM_001012.1	42	0.31%	35	0.20%	3	0.02%	12	0.08%	92
37	ribosomal protein S6	M20020	27	0.20%	35	0.20%	13	0.10%	17	0.12%	92
38	ribosomal protein L21	U14967.1	17	0.13%	34	0.20%	14	0.11%	26	0.18%	91
39	transmembrane protein BRI	AF246221.1	4	0.03%	16	0.09%	37	0.29%	33	0.23%	90
40	ribosomal protein L13a (RPL13A)	NM_012423.1	64	0.48%	17	0.10%	4	0.03%	4	0.03%	89
41	ribosomal protein L37a	L22154	56	0.42%	12	0.07%	8	0.06%	11	0.08%	87
42	ribosomal protein S11 (RPS11)	NM_001015.1	38	0.28%	19	0.11%	11	0.09%	19	0.13%	87
43	cytochrome c oxidase subunit VIc (COX6C)	NM_004374.1	3	0.02%	16	0.09%	22	0.17%	44	0.31%	85
44	RIBOSOMAL PROTEIN L10 (QM PROTEIN) (T	spP27635	53	0.40%	13	0.08%	6	0.05%	13	0.09%	85
45	ribosomal protein L31	NM_000993.1	15	0.11%	31	0.18%	13	0.10%	25	0.18%	84
46	annexin A2 (ANXA2)(lipocortin II)	NM_004039.1	14	0.10%	28	0.16%	7	0.06%	34	0.24%	83
47	translationally controlled tumor protein (TCTP)	X16064	23	0.17%	14	0.08%	17	0.13%	28	0.20%	82
48	RIBOSOMAL PROTEIN L17	spP18621	31	0.23%	12	0.07%	10	0.08%	27	0.19%	80
49	ribosomal protein S25 (RPS25)	NM_001028.1	17	0.13%	13	0.08%	17	0.13%	32	0.23%	79
50	collagen type XI alpha 1 (COL11A1)	NM_001854.1	46	0.34%	18	0.10%	7	0.06%	8	0.06%	79
51	fibromodulin (FMOD)	NM_002023.2	8	0.06%	41	0.24%	19	0.15%	11	0.08%	79
52	collagen type IX alpha 1 (COL9A1)(ORF)	NM_001851.1	74	0.55%	4	0.02%	0	0.00%	0	0.00%	78
53	thioredoxin (TXN)	J04026	4	0.03%	13	0.08%	22	0.17%	36	0.25%	75
54	ribosomal protein L37	L11567	34	0.25%	19	0.11%	6	0.05%	16	0.11%	75
55	ribosomal protein S4, X-linked (RPS4X)	NM_001007.1	33	0.25%	18	0.10%	12	0.09%	8	0.06%	71

56 NADH dehydrogenase (ubiquinone) 1 alpha subunit	NM_002489.1	5	0.04%	4	0.02%	14	0.11%	46	0.32%	69
57 ribosomal protein L3 (RPL3)	NM_000967.1	42	0.31%	10	0.06%	7	0.06%	10	0.07%	69
58 LINE-1 REVERSE TRANSCRIPTASE HOMOLOG	spP08547	1	0.01%	46	0.27%	14	0.11%	7	0.05%	68
59 ribosomal protein L6	X69391	24	0.18%	17	0.10%	11	0.09%	14	0.10%	66
60 ribosomal protein L32 (RPL32)	NM_000994.1	38	0.28%	16	0.09%	6	0.05%	6	0.04%	66
61 ribosomal protein L27 (RPL27)	NM_000988.1	27	0.20%	12	0.07%	7	0.06%	19	0.13%	65
62 reverse transcriptase	D84391	1	0.01%	45	0.26%	12	0.09%	6	0.04%	64
63 asporin (ASPN) (LRR class 1)	NM_017680.1	0	0.00%	4	0.02%	24	0.19%	35	0.25%	63
64 ribosomal protein L13	AF112214	33	0.25%	10	0.06%	6	0.05%	12	0.08%	61
65 Ribosomal protein L4	NM_000968.1	18	0.13%	27	0.16%	4	0.03%	12	0.08%	61
66 ribosomal protein S29	L31610.1	18	0.13%	16	0.09%	8	0.06%	17	0.12%	59
67 ribosomal protein L7a (surf 3) large subunit	M36072	25	0.19%	15	0.09%	8	0.06%	10	0.07%	58
68 transforming growth factor beta-induced, 68kD	NM_000358.1	3	0.02%	5	0.03%	3	0.02%	47	0.33%	58
69 ribosomal protein L30	L05095.1	24	0.18%	14	0.08%	6	0.05%	13	0.09%	57
70 ribosomal protein S12	X53505	35	0.26%	13	0.08%	3	0.02%	6	0.04%	57
71 ribosomal protein L23	NM_000978.1	18	0.13%	27	0.16%	1	0.01%	9	0.06%	55
72 ribosomal protein S13	NM_001017.1	17	0.13%	9	0.05%	8	0.06%	21	0.15%	55
73 hexabrachion (tenascin C, cytactin) (HXB)	NM_002160.1	4	0.03%	7	0.04%	7	0.06%	37	0.26%	55
74 ribosomal protein S24	M31520	23	0.17%	8	0.05%	10	0.08%	13	0.09%	54
75 cartilage link protein (CRTL1)	U43328.1	20	0.15%	2	0.01%	31	0.25%	1	0.01%	54
76 actin, beta (ACTB)	NM_001101.2	21	0.16%	25	0.15%	4	0.03%	3	0.02%	53
77 Ribosomal protein L36 (=RPL44)	AF077043.1	20	0.15%	11	0.06%	10	0.08%	12	0.08%	53
78 ribosomal protein S17	M13932	28	0.21%	12	0.07%	5	0.04%	7	0.05%	52
79 cytokine-like protein C17	NM_018659.1	0	0.00%	42	0.24%	9	0.07%	0	0.00%	51
80 PRO2003	AF116679.1	14	0.10%	24	0.14%	2	0.02%	11	0.08%	51
81 prothymosin alpha	M14630	18	0.13%	9	0.05%	9	0.07%	15	0.11%	51
82 tumor rejection antigen (gp96) 1 (TRA1)	X15187	10	0.07%	7	0.04%	19	0.15%	15	0.11%	51
83 actin, gamma 1 (ACTG1)	NM_001614.1	31	0.23%	10	0.06%	3	0.02%	7	0.05%	51
84 ferritin heavy chain	L20941.1	4	0.03%	6	0.03%	7	0.06%	33	0.23%	50
85 PRO2853	AF119905.1	0	0.00%	35	0.20%	10	0.08%	5	0.04%	50
86 ribosomal protein L5	U76609	23	0.17%	8	0.05%	10	0.08%	7	0.05%	48
87 ribosomal protein L26	X69392	18	0.13%	6	0.03%	11	0.09%	13	0.09%	48
88 ribosomal protein, large, P1 (RPLP1)	NM_001003.1	40	0.30%	1	0.01%	3	0.02%	4	0.03%	48
89 ribosomal protein L11	L05092.1	25	0.19%	0	0.00%	16	0.13%	7	0.05%	48
90 guanine nucleotide binding protein (G protein), b	NM_006098.1	21	0.16%	20	0.12%	4	0.03%	3	0.02%	48
91 vitamin A responsive cytoskeleton related (JWA)	NM_006407.2	0	0.00%	11	0.06%	18	0.14%	18	0.13%	47
92 HSPC312 (ORF) = AF161428.1 (=HSPC310)	AF161430	0	0.00%	29	0.17%	10	0.08%	8	0.06%	47
93 H factor 1 (complement) (HF1)	NM_000186.1	1	0.01%	19	0.11%	17	0.13%	10	0.07%	47
94 mimecan (OGN) (OIF)	AF202167.1	1	0.01%	1	0.01%	19	0.15%	24	0.17%	45
95 S100 calcium-binding protein A4 (calcium protein gi4506764		1	0.01%	18	0.10%	11	0.09%	14	0.10%	44
96 annexin I (lipocortin I) (ANX1) =X05908 (ORF)	NM_000700.1	0	0.00%	9	0.05%	11	0.09%	24	0.17%	44
97 glyceraldehyde 3-phosphate dehydrogenase (G)	J02642	41	0.31%	2	0.01%	1	0.01%	0	0.00%	44
98 ribosomal protein L27A	AB020236.1	34	0.25%	7	0.04%	1	0.01%	2	0.01%	44
99 HSPC310 (=HSPC312)	AF161428.1	0	0.00%	29	0.17%	8	0.06%	7	0.05%	44
100 calmodulin 2 (phosphorylase kinase, delta) (CAI)	NM_001743.1	0	0.00%	7	0.04%	25	0.20%	11	0.08%	43
101 ribosomal protein L39	D79205	15	0.11%	11	0.06%	4	0.03%	13	0.09%	43
102 nascent-polypeptide-associated complex alpha	NM_005594.1	6	0.04%	6	0.03%	13	0.10%	18	0.13%	43
103 ribosomal protein L44 (RPL44)	NM_001001.1	14	0.10%	5	0.03%	10	0.08%	13	0.09%	42
104 ubiquitin A-52 residue ribosomal protein fusion p gi4507760		7	0.05%	32	0.19%	1	0.01%	2	0.01%	42
105 cartilage matrix protein (CMP) gene	M55682.1	42	0.31%	0	0.00%	0	0.00%	0	0.00%	42
106 TSC-22 protein	U35048	8	0.06%	14	0.08%	12	0.09%	8	0.06%	42
107 mitochondrial genes for several tRNAs (Phe, Val)	V00710.1	0	0.00%	41	0.24%	1	0.01%	0	0.00%	42
108 ribosomal protein S19	M81757.1	39	0.29%	0	0.00%	0	0.00%	2	0.01%	41
109 ribosomal protein S28, yeast homologue	D14530	38	0.28%	1	0.01%	0	0.00%	2	0.01%	41
110 deleted in split hand/split foot 1 (DSS1)	U41515	0	0.00%	8	0.05%	11	0.09%	22	0.15%	41
111 ribosomal protein L35a	NM_000996.1	14	0.10%	10	0.06%	3	0.02%	14	0.10%	41
112 cytochrome c oxidase subunit VIIIb	Z14244	4	0.03%	5	0.03%	12	0.09%	20	0.14%	41
113 hH3.3B gene for histone H3.3	Z48950.1	10	0.07%	12	0.07%	6	0.05%	13	0.09%	41

114	RIBOSOMAL PROTEIN L10A (CSA-19)(RPL10/P53025	18	0.13%	10	0.06%	7	0.06%	5	0.04%	40
115	ribosomal protein S15a X84407	23	0.17%	9	0.05%	2	0.02%	6	0.04%	40
116	ribosomal protein L15 NM_002948.1	26	0.19%	6	0.03%	4	0.03%	4	0.03%	40
117	eukaryotic translation initiation factor 3 (EIF3S6) NM_001568.1	13	0.10%	10	0.06%	8	0.06%	9	0.06%	40
118	ribosomal protein L23a U43701	11	0.08%	2	0.01%	13	0.10%	12	0.08%	38
119	KIAA0005 D13630	0	0.00%	6	0.03%	19	0.15%	13	0.09%	38
120	collagen type XI alpha2 (COL11A2) U41068.1	34	0.25%	4	0.02%	0	0.00%	0	0.00%	38
121	transcription elongation factor B (SIII), polypeptide NM_003197.2	1	0.01%	20	0.12%	7	0.05%	10	0.07%	38
122	lysosome-associated protein, transmembrane - 4 U34259.1	6	0.04%	7	0.04%	10	0.08%	15	0.11%	38
123	SUI1 isolog AF083441.1	8	0.06%	20	0.12%	6	0.05%	4	0.03%	38
124	small nuclear ribonucleoprotein polypeptide G (S X85373	1	0.01%	0	0.00%	7	0.06%	29	0.20%	37
125	1-phosphatidylinositol-4-phosphate 5-kinase S78798.1	37	0.28%	0	0.00%	0	0.00%	0	0.00%	37
126	ribosomal protein L38 Z26876	8	0.06%	8	0.05%	7	0.06%	14	0.10%	37
127	cartilage intermediate layer protein, CILP AB022430.1	1	0.01%	5	0.03%	17	0.13%	14	0.10%	37
128	collagen type VI alpha 3 (COL6A3) NM_004369.1	5	0.04%	4	0.02%	5	0.04%	22	0.15%	36
129	ribosomal protein S18 X69150.1	33	0.25%	1	0.01%	1	0.01%	1	0.01%	36
130	F1-ATPase epsilon-subunit (ATP5E) AF052955.1	3	0.02%	8	0.05%	7	0.06%	15	0.11%	33
131	NADH dehydrogenase X81900	2	0.01%	20	0.12%	3	0.02%	8	0.06%	33
132	ribosomal protein L12 L06505	12	0.09%	8	0.05%	3	0.02%	10	0.07%	33
133	ribosomal protein S5 (RPS5) NM_001009.1	29	0.22%	2	0.01%	1	0.01%	1	0.01%	33
134	cytoskeletal gamma-actin X04098	19	0.14%	9	0.05%	3	0.02%	2	0.01%	33
135	androgen receptor associated protein 24 (ARA2) AF052578	8	0.06%	1	0.01%	7	0.06%	17	0.12%	33
136	collagen type IX alpha 3 (COL9A3) AF026802.1	26	0.19%	6	0.03%	0	0.00%	0	0.00%	32
137	cytochrome c oxidase, liver specific (EC 1.9.3.1. X15822	4	0.03%	3	0.02%	10	0.08%	15	0.11%	32
138	tubulin beta AF070561	19	0.14%	5	0.03%	6	0.05%	2	0.01%	32
139	myosin regulatory light chain X54304	6	0.04%	5	0.03%	4	0.03%	16	0.11%	31
140	ribosomal protein L19 X63527	16	0.12%	3	0.02%	3	0.02%	9	0.06%	31
141	ribosomal protein S3 (RPS3) NM_001005.1	21	0.16%	2	0.01%	5	0.04%	3	0.02%	31
142	clusterin (CLU) SP40,40 (=M63379 TRPM-2 protein) NM_001831.1	1	0.01%	14	0.08%	7	0.06%	9	0.06%	31
143	ribosomal protein L18 (RPL18) NM_000979.1	28	0.21%	1	0.01%	0	0.00%	2	0.01%	31
144	nephropontin (=X13694.1 osteopontin) M83248.1	0	0.00%	9	0.05%	0	0.00%	22	0.15%	31
145	ribonuclease, RNase A family, 1(pancreatic) (Re NP_002924.1	1	0.01%	28	0.16%	0	0.00%	2	0.01%	31
146	Tubulin alpha isoform 1 AF081484	16	0.12%	3	0.02%	2	0.02%	9	0.06%	30
147	ribosomal protein S23 (RPS23) =D14530 (ORF) NM_001025.1	8	0.06%	13	0.08%	3	0.02%	6	0.04%	30
148	T-cell cyclophilin Y00052	18	0.13%	4	0.02%	2	0.02%	6	0.04%	30
149	ribosomal protein L22 (RPL22) NM_000983.1	6	0.04%	14	0.08%	3	0.02%	7	0.05%	30
150	ribosomal protein L35 U12465	27	0.20%	2	0.01%	0	0.00%	1	0.01%	30
151	ribonuclease, RNase A NM_002937.1	1	0.01%	27	0.16%	0	0.00%	2	0.01%	30
152	collagen lysyl hydroxylase isoform 2 (PLOD2) U84573	2	0.01%	7	0.04%	8	0.06%	13	0.09%	30
153	heterogeneous nuclear ribonucleoprotein A1 (HNR) NM_002136.1	14	0.10%	8	0.05%	3	0.02%	4	0.03%	29
154	ATP synthase, H transporting, mitochondrial F0-1 NP_009031.1	0	0.00%	16	0.09%	4	0.03%	9	0.06%	29
155	eukaryotic translation initiation factor 4 gamma, : NM_001418.1	3	0.02%	5	0.03%	4	0.03%	17	0.12%	29
156	integrin-binding sialoprotein (bone sialoprotein, t NM_004967.1	0	0.00%	29	0.17%	0	0.00%	0	0.00%	29
157	mitochondrial ATPase coupling factor 6 subunit (M37104	0	0.00%	1	0.01%	6	0.05%	22	0.15%	29
158	heparan sulfate proteoglycan (HSPG) (OC15) J04621.1	9	0.07%	4	0.02%	4	0.03%	12	0.08%	29
159	ribosomal protein S21 (RPS21) L04483	21	0.16%	3	0.02%	1	0.01%	4	0.03%	29
160	nucleolar phosphoprotein B23 (NPM1) M28699	4	0.03%	14	0.08%	4	0.03%	7	0.05%	29
161	cartilage-derived C-type lectin (CLECSF1) AF077345	0	0.00%	18	0.10%	4	0.03%	7	0.05%	29
162	ribosomal protein L8 Z28407	24	0.18%	0	0.00%	3	0.02%	1	0.01%	28
163	spermidine/spermine N1-acetyltransferase Z14136	1	0.01%	7	0.04%	10	0.08%	10	0.07%	28
164	Sec61 gamma AF054184	3	0.02%	5	0.03%	3	0.02%	17	0.12%	28
165	MEN1 region clone epsilon/beta AF001893.1	0	0.00%	16	0.09%	8	0.06%	4	0.03%	28
166	polyubiquitin E12605	13	0.10%	8	0.05%	2	0.02%	5	0.04%	28
167	ribosomal protein S7 M77233	8	0.06%	7	0.04%	2	0.02%	11	0.08%	28
168	caveolin 1 (CAV1) AF125348.1	0	0.00%	6	0.03%	11	0.09%	11	0.08%	28
169	ribosomal protein L18a L05093.1	27	0.20%	1	0.01%	0	0.00%	0	0.00%	28
170	HSPC036 protein (=AF077200.1 HSPC014) AF125097.1	2	0.01%	0	0.00%	8	0.06%	18	0.13%	28
171	lectin, galactoside-binding, soluble, 1 (galectin 1) NM_002305.2	22	0.16%	4	0.02%	2	0.02%	0	0.00%	28



172	hemoglobin, gamma G (HBG2) (=PRO2898)	NM_000184.1	27	0.20%	0	0.00%	0	0.00%	0	0.00%	27
173	ribosomal protein L24 (RPL24) (=ribosomal prot	NM_000986.1	8	0.06%	12	0.07%	1	0.01%	6	0.04%	27
174	high mobility group-1 protein (HMG-1)	X12597	4	0.03%	1	0.01%	12	0.09%	10	0.07%	27
175	integrin beta 1 subunit	X07979.1	1	0.01%	4	0.02%	6	0.05%	16	0.11%	27
176	hemoglobin, gamma A (HBG1)	NM_000559.1	27	0.20%	0	0.00%	0	0.00%	0	0.00%	27
177	ribosomal protein S9	U14971	27	0.20%	0	0.00%	0	0.00%	0	0.00%	27
178	lysosomal membrane glycoprotein CD63 (=M59	M58485	7	0.05%	12	0.07%	3	0.02%	4	0.03%	26
179	RIBOSOMAL PROTEIN S2 (S4) (LLREP3 PRO	spP15880	24	0.18%	1	0.01%	1	0.01%	0	0.00%	26
180	matrilin-3 (MATR3)	Y13341	7	0.05%	7	0.04%	3	0.02%	9	0.06%	26
181	chitinase (HUMTCHIT)	U58515	0	0.00%	1	0.01%	0	0.00%	25	0.18%	26
182	CGI-134 protein (LOC51023)	NM_016067.1	0	0.00%	4	0.02%	4	0.03%	18	0.13%	26
183	ribosomal protein S10	NM_001014.1	22	0.16%	1	0.01%	0	0.00%	3	0.02%	26
184	tissue inhibitor of metalloproteinase 3 (Sorsby fu	NM_000362.1	2	0.01%	3	0.02%	15	0.12%	6	0.04%	26
185	H19 (=PRO2605)	M32053	25	0.19%	1	0.01%	0	0.00%	0	0.00%	26
186	histone H3.3	Z48950	3	0.02%	12	0.07%	4	0.03%	7	0.05%	26
187	ferritin L chain	M11147	9	0.07%	12	0.07%	1	0.01%	3	0.02%	25
188	signal recognition particle 14kD (homologous Ali	NM_003134.1	3	0.02%	15	0.09%	6	0.05%	1	0.01%	25
189	fatty acid binding protein (adipocyte lipid-binding	NM_001442.1	4	0.03%	2	0.01%	18	0.14%	1	0.01%	25
190	ribosomal protein, large P2 (RPLP2)	NM_001004.1	14	0.10%	7	0.04%	2	0.02%	2	0.01%	25
191	CD63 antigen (melanoma 1 antigen) (CD63)	NM_001780.1	7	0.05%	12	0.07%	4	0.03%	2	0.01%	25
192	defender against cell death 1 (DAD1)	NM_001344.1	3	0.02%	9	0.05%	5	0.04%	8	0.06%	25
193	cytochrome b (ORF)	U09500	5	0.04%	8	0.05%	5	0.04%	7	0.05%	25
194	metallothionein-II (mt-II)	J00271	0	0.00%	23	0.13%	1	0.01%	1	0.01%	25
195	RNA polymerase II elongation factor-like protein	Z47087	8	0.06%	2	0.01%	5	0.04%	10	0.07%	25
196	insulin-like growth factor II (IGF-2)	X07868	24	0.18%	0	0.00%	0	0.00%	0	0.00%	24
197	CD9 antigen (p24/CD9)	L08125	3	0.02%	2	0.01%	10	0.08%	9	0.06%	24
198	lactate dehydrogenase A (LDHA)	NM_005566.1	4	0.03%	4	0.02%	5	0.04%	11	0.08%	24
199	poly(A)-binding protein (PABP)	U68105	6	0.04%	8	0.05%	1	0.01%	9	0.06%	24
200	mitochondrial ubiquinone-binding protein	M26700	4	0.03%	3	0.02%	10	0.08%	7	0.05%	24
201	ATP synthase, H transporting, mitochondrial F0	Hs.107476	4	0.03%	9	0.05%	4	0.03%	7	0.05%	24
202	MORF-related gene X (KIAA0026) (=MRG15)	NM_012286.1	2	0.01%	11	0.06%	4	0.03%	7	0.05%	24
203	brain-expressed HHCPA78 homologue (VDUP1	S73591	2	0.01%	17	0.10%	0	0.00%	5	0.04%	24
204	PRO1574 (mitochondrial proteolipid 68MP homc	AF116639.1	2	0.01%	11	0.06%	5	0.04%	6	0.04%	24
205	heat shock 10kD protein 1 (chaperonin 10) (HSF	NM_002157.1	1	0.01%	13	0.08%	5	0.04%	4	0.03%	23
206	complement factor H (=M17517)	Y00716	2	0.01%	2	0.01%	15	0.12%	4	0.03%	23
207	osteomodulin (OMD)	AB000114	0	0.00%	6	0.03%	6	0.05%	11	0.08%	23
208	epithelial membrane protein 1 (EMP1)	NM_001423.1	1	0.01%	7	0.04%	6	0.05%	9	0.06%	23
209	Tigger1 transposable element	U49973.1	5	0.04%	8	0.05%	7	0.06%	3	0.02%	23
210	cysteine dioxygenase	D85777	0	0.00%	1	0.01%	10	0.08%	12	0.08%	23
211	dynein light chain 1 (hdlc1), cytoplasmic	U32944	5	0.04%	3	0.02%	4	0.03%	11	0.08%	23
212	calcyclin (=M14300 growth factor-inducible 2A9	J02763	10	0.07%	1	0.01%	4	0.03%	8	0.06%	23
213	ATP synthase, H transporting, mitochondrial F1	NM_006476.1	7	0.05%	1	0.01%	7	0.06%	7	0.05%	22
214	ribosomal protein L29 (RPL29)	NM_000992.1	21	0.16%	1	0.01%	0	0.00%	0	0.00%	22
215	FK506 binding protein (Fkbp63)	AF090334	8	0.06%	6	0.03%	2	0.02%	6	0.04%	22
216	COX17 (yeast) homolog, cytochrome c oxidase	NM_005694.1	0	0.00%	5	0.03%	8	0.06%	9	0.06%	22
217	ribosomal protein S14 (RPS14)	NM_005617.1	21	0.16%	0	0.00%	0	0.00%	1	0.01%	22
218	ribosomal protein S16	M60854	14	0.10%	2	0.01%	1	0.01%	5	0.04%	22
219	solute carrier family 25 (mitochondrial carrier; ph	NM_005888.1	6	0.04%	4	0.02%	4	0.03%	8	0.06%	22
220	aggreCAN (chondroitin sulfate proteoglycan 1, lar	U13613	14	0.10%	1	0.01%	4	0.03%	3	0.02%	22
221	BiP protein	X87949	5	0.04%	2	0.01%	6	0.05%	9	0.06%	22
222	78 kD glucose-regulated protein (GRP78) gene (	M19645.1	4	0.03%	2	0.01%	6	0.05%	10	0.07%	22
223	hemoglobin beta chain (HBB)	AF117710	0	0.00%	4	0.02%	16	0.13%	1	0.01%	21
224	cytochrome c oxidase subunit I	D38112	0	0.00%	20	0.12%	1	0.01%	0	0.00%	21
225	tyrosine 3-monooxygenase/tryptophan 5-monoo	NM_003404.1	4	0.03%	4	0.02%	4	0.03%	9	0.06%	21
226	selenoprotein P (SEPP1)	Z11793	1	0.01%	10	0.06%	5	0.04%	5	0.04%	21
227	elongation factor 2	X51466	16	0.12%	1	0.01%	0	0.00%	4	0.03%	21
228	ribosomal protein L14	D87735	12	0.09%	4	0.02%	2	0.02%	3	0.02%	21
229	endozepine (putative ligand of benzodiazepine r	M15887.1	2	0.01%	1	0.01%	6	0.05%	12	0.08%	21

230	annexin A5 (ANXA5)(lipocortin-V)	NM_001154.2	9	0.07%	4	0.02%	1	0.01%	7	0.05%	21
231	carboxypeptidase E (CPE)	NM_001873.1	6	0.04%	8	0.05%	7	0.06%	0	0.00%	21
232	collagen type IX alpha 2 (COL9A2)	M95610	21	0.16%	0	0.00%	0	0.00%	0	0.00%	21
233	myosin, light polypeptide, regulatory, non-sarcomeric	Hs.233936	2	0.01%	7	0.04%	4	0.03%	8	0.06%	21
234	SPARC-like 1 (mast9, hev1) (SPARCL1)	NM_004684.1	2	0.01%	2	0.01%	16	0.13%	0	0.00%	20
235	Cyr61 protein (CYR61)	AF031385	6	0.04%	7	0.04%	3	0.02%	4	0.03%	20
236	fibrillin (FBN1)	X63556	4	0.03%	2	0.01%	3	0.02%	11	0.08%	20
237	trophoblast STAT utron	AF080092.1	0	0.00%	13	0.08%	4	0.03%	3	0.02%	20
238	prefoldin 5 (PFDN5) (=D89667 c-myc binding protein)	NP_002615.1	3	0.02%	2	0.01%	4	0.03%	10	0.07%	19
239	cytochrome c oxidase subunit VIIc (COX7C)	NM_001867.1	2	0.01%	3	0.02%	7	0.06%	7	0.05%	19
240	ring-box 1 (RBX1)	NM_014248.1	1	0.01%	5	0.03%	2	0.02%	11	0.08%	19
241	epididymal secretory protein (19.5kD) (HE1)	gi5453677	0	0.00%	6	0.03%	6	0.05%	7	0.05%	19
242	SRY (sex-determining region Y)-box 9 (campomelic dysplasia)	NM_000346.1	4	0.03%	13	0.08%	0	0.00%	2	0.01%	19
243	H4 histone family, member G (H4FG)	NM_003542.2	0	0.00%	2	0.01%	3	0.02%	14	0.10%	19
244	apolipoprotein D (APOD)	J02611	0	0.00%	17	0.10%	2	0.02%	0	0.00%	19
245	cathepsin K (pseudodysostosis)(CTSK)	NM_000396.1	5	0.04%	5	0.03%	3	0.02%	6	0.04%	19
246	peptidylglycine alpha-amidating monooxygenase	M37721	2	0.01%	5	0.03%	7	0.06%	5	0.04%	19
247	zinc finger protein 216 (ZNF216)	AF062072.1	3	0.02%	10	0.06%	4	0.03%	2	0.01%	19
248	heterogeneous nuclear ribonucleoprotein D-like	NM_005463.1	4	0.03%	4	0.02%	5	0.04%	6	0.04%	19
249	chondromodulin I precursor (CHM-I)	NM_007015.1	15	0.11%	4	0.02%	0	0.00%	0	0.00%	19
250	osteoclastogenesis inhibitory factor	AB008822	2	0.01%	0	0.00%	8	0.06%	9	0.06%	19
251	enolase 1 (alpha) (ENO1)	NM_001428.1	16	0.12%	0	0.00%	1	0.01%	2	0.01%	19
252	v-fos FBJ murine osteosarcoma viral oncogene homolog 1	NM_005252.2	12	0.09%	5	0.03%	1	0.01%	1	0.01%	19
253	palladin (KIAA0992)= CGI-151	NM_016081.1	3	0.02%	7	0.04%	2	0.02%	7	0.05%	19
254	heterogeneous nuclear ribonucleoprotein D (hnRNP D55671)	AF055671	4	0.03%	4	0.02%	5	0.04%	6	0.04%	19
255	procollagen-lysine, 2-oxoglutarate 5-dioxygenase	Hs.41270	2	0.01%	7	0.04%	4	0.03%	6	0.04%	19
256	lysyl oxidase	U22384	6	0.04%	5	0.03%	0	0.00%	7	0.05%	18
257	gap junction protein, alpha 1, 43kD (connexin 43)	NM_000165.2	1	0.01%	0	0.00%	1	0.01%	16	0.11%	18
258	procollagen C-endopeptidase enhancer 2 (PCOLCE)	NM_013363.1	1	0.01%	12	0.07%	5	0.04%	0	0.00%	18
259	NADH dehydrogenase subunit 4L (RefSeq aa 26-396)	gi5835396	0	0.00%	12	0.07%	1	0.01%	5	0.04%	18
260	ubiquinol-cytochrome c reductase complex (7.2 INP)	NP_037519.1	2	0.01%	4	0.02%	8	0.06%	4	0.03%	18
261	ATPase, H transporting, lysosomal (vacuolar type 1)	NM_003945.1	1	0.01%	9	0.05%	2	0.02%	6	0.04%	18
262	ATP synthase, H transporting, mitochondrial F1F0 complex	NM_005174.1	5	0.04%	2	0.01%	4	0.03%	7	0.05%	18
263	muscleblind (Drosophila)-like (MBNL) (=KIAA0412)	NM_021038.1	1	0.01%	7	0.04%	3	0.02%	7	0.05%	18
264	calumenin (Calu) (calumenin)	AF013759	8	0.06%	2	0.01%	2	0.02%	6	0.04%	18
265	ATP synthase, H transporting, mitochondrial F1F0 complex	NM_004046.1	5	0.04%	2	0.01%	4	0.03%	7	0.05%	18
266	guanine nucleotide binding protein (G protein), alpha 1	NM_000516.2	7	0.05%	7	0.04%	1	0.01%	3	0.02%	18
267	vacuolar H-ATPase subunit	AF038954	1	0.01%	8	0.05%	2	0.02%	7	0.05%	18
268	ribosomal protein 40S S27 isoform (RefSeq aa 4-104)	NP_057004.1	0	0.00%	3	0.02%	0	0.00%	15	0.11%	18
269	elongation factor 1 beta 2 (EEF1B2)	NM_001959.1	10	0.07%	2	0.01%	3	0.02%	2	0.01%	17
270	laminin receptor 1 (67kD, ribosomal protein SA)	NM_002295.1	12	0.09%	2	0.01%	2	0.02%	1	0.01%	17
271	B-cell translocation protein 1 (BTG1)	X61123	5	0.04%	5	0.03%	2	0.02%	5	0.04%	17
272	NADH dehydrogenase(ubiquinone) Fe-S protein	NM_004552.1	4	0.03%	8	0.05%	3	0.02%	2	0.01%	17
273	dolichyl-phosphate beta-glucosyltransferase (AL)	AF102850.1	13	0.10%	1	0.01%	1	0.01%	2	0.01%	17
274	frizzled-related protein (FRZB)	NM_001463.1	3	0.02%	8	0.05%	2	0.02%	4	0.03%	17
275	pp21 homolog	AF125535.1	1	0.01%	0	0.00%	4	0.03%	12	0.08%	17
276	neuroendocrine-specific protein C like (foocen) (FOCEN)	NM_007008.1	1	0.01%	3	0.02%	5	0.04%	8	0.06%	17
277	testis enhanced gene transcript protein (TEGT)	AF033095	4	0.03%	6	0.03%	4	0.03%	3	0.02%	17
278	SOD-2 manganese superoxide dismutase	X65965	1	0.01%	7	0.04%	4	0.03%	5	0.04%	17
279	decay-accelerating factor	M31516	0	0.00%	4	0.02%	7	0.06%	6	0.04%	17
280	metallothionein-Ie (hMT-Ie)	M10942	0	0.00%	13	0.08%	2	0.02%	2	0.01%	17
281	platelet-derived growth factor receptor alpha (PDGFR-alpha)	M21574	4	0.03%	4	0.02%	5	0.04%	4	0.03%	17
282	mitochondrial signal peptidase	AF061737	3	0.02%	5	0.03%	4	0.03%	5	0.04%	17
283	enhancer of rudimentary homologue	U66871	5	0.04%	4	0.02%	5	0.04%	3	0.02%	17
284	tomoregulin	AB004064.1	3	0.02%	2	0.01%	4	0.03%	8	0.06%	17
285	cell division cycle 10 (homologous to CDC10 of S. pombe)	NM_001788.1	4	0.03%	5	0.03%	2	0.02%	6	0.04%	17
286	cytochrome c oxidase subunit III (RefSeq aa 86-104)	5835394	0	0.00%	17	0.10%	0	0.00%	0	0.00%	17
287	I-complex-associated-testis-expressed 1-like 1 (ITEX1)	NM_006519.1	2	0.01%	12	0.07%	2	0.02%	1	0.01%	17

288	guanine nucleotide binding protein (G protein), a	BC008855.1	8	0.06%	7	0.04%	0	0.00%	2	0.01%	17
289	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide	NM_004396.1	2	0.01%	4	0.02%	6	0.05%	4	0.03%	16
290	calpactin 1 light chain	M81457	0	0.00%	0	0.00%	3	0.02%	13	0.09%	16
291	hairy (Drosophila)-homolog (HRY)	NM_005524.2	0	0.00%	11	0.06%	3	0.02%	2	0.01%	16
292	rapa-2 (rapa gene)	AJ277276.1	16	0.12%	0	0.00%	0	0.00%	0	0.00%	16
293	deiodinase, iodothyronine, type II (DIO2), transC	gi7549802	0	0.00%	14	0.08%	1	0.01%	1	0.01%	16
294	ADP-ribosylation factor 4 (ARF4)	AF104238.1	0	0.00%	6	0.03%	3	0.02%	7	0.05%	16
295	KVLQT1 gene (=p150)	AJ006345.1	2	0.01%	7	0.04%	6	0.05%	1	0.01%	16
296	thrombospondin 2 (THBS2)	L12350	5	0.04%	2	0.01%	1	0.01%	8	0.06%	16
297	fatty acid binding protein 4, adipocyte (FABP4), Hs.	83213	0	0.00%	0	0.00%	15	0.12%	1	0.01%	16
298	p40	AAC51266.1	0	0.00%	7	0.04%	3	0.02%	6	0.04%	16
299	TI-227H (=tomoregulin; mitochondrial)	D50525	2	0.01%	9	0.05%	1	0.01%	4	0.03%	16
300	cyclin I	D50310	4	0.03%	4	0.02%	3	0.02%	5	0.04%	16
301	S100 calcium-binding protein A10 (annexin II lig: NM_002966.1		0	0.00%	3	0.02%	3	0.02%	10	0.07%	16
302	ribosomal protein L28	U14969	16	0.12%	0	0.00%	0	0.00%	0	0.00%	16
303	glucocorticoid-induced GILZ	AF228339	3	0.02%	8	0.05%	1	0.01%	4	0.03%	16
304	collagen type V alpha 2 (COL5A2)	M11718	4	0.03%	1	0.01%	2	0.02%	8	0.06%	15
305	H3 histone, family 3A (H3F3A)	NM_002107.1	8	0.06%	3	0.02%	0	0.00%	4	0.03%	15
306	neural precursor cell expressed, developmentall	NM_004404.1	6	0.04%	3	0.02%	3	0.02%	3	0.02%	15
307	heat shock factor binding protein 1 (HSBP1)	NM_001537.1	1	0.01%	2	0.01%	2	0.02%	10	0.07%	15
308	glypican 3 (GPC3) (chromosome X) (=L47176 G	L47125	15	0.11%	0	0.00%	0	0.00%	0	0.00%	15
309	translocation protein 1(TLOC1)	NM_003262.1	3	0.02%	6	0.03%	6	0.05%	0	0.00%	15
310	thrombospondin 4 (THBS4)	NM_003248.1	4	0.03%	8	0.05%	3	0.02%	0	0.00%	15
311	6.2 kd protein	AJ011007	0	0.00%	14	0.08%	1	0.01%	0	0.00%	15
312	mannosidase, beta A, lysosomal (MANBA) gene	AF224669.1	3	0.02%	6	0.03%	1	0.01%	5	0.04%	15
313	ubiquitin-like 1 (sentrin) (UBL1) (=SUMO-1)	NM_003352.1	2	0.01%	3	0.02%	9	0.07%	1	0.01%	15
314	TGF-beta1R alpha	D50683	1	0.01%	4	0.02%	2	0.02%	8	0.06%	15
315	H2A histone family, member Z (H2AFZ) = D284	NM_002106.1	4	0.03%	10	0.06%	0	0.00%	1	0.01%	15
316	MAFB/Kreisler basic region/leucine zipper trans	AF134157.1	1	0.01%	1	0.01%	0	0.00%	13	0.09%	15
317	cig19 (=D31887.1 KIAA0062)	AF026940.1	1	0.01%	6	0.03%	2	0.02%	6	0.04%	15
318	UMP-CMP kinase	AF110643.1	0	0.00%	3	0.02%	5	0.04%	7	0.05%	15
319	cytochrome c oxidase subunit II gene (ORF)	AF004339	3	0.02%	10	0.06%	2	0.02%	0	0.00%	15
320	cytosolic selenium-dependent glutathione peroxi	M83094	2	0.01%	3	0.02%	7	0.06%	3	0.02%	15
321	collagen type XIV variant C-terminal NC1 and 3'	Y11711	6	0.04%	6	0.03%	2	0.02%	1	0.01%	15
322	phosphoglycerate mutase (PGAM-B)	J04173	6	0.04%	1	0.01%	1	0.01%	7	0.05%	15
323	phosphoglycerate kinase 1 (PGK1) (ORF)	NM_000291.1	3	0.02%	4	0.02%	2	0.02%	6	0.04%	15
324	reverse transcriptase related protein	prf1207289A	1	0.01%	11	0.06%	2	0.02%	1	0.01%	15
325	Heterogeneous nuclear ribonucleoprotein U (sca	NM_004501.1	3	0.02%	4	0.02%	5	0.04%	3	0.02%	15
326	collagen type XII alpha 1 (COL12A1)	U57362	10	0.07%	0	0.00%	2	0.02%	3	0.02%	15
327	small nuclear ribonucleoprotein D2 polypeptide (	NM_004597.3	2	0.01%	5	0.03%	2	0.02%	5	0.04%	14
328	Cu/Zn superoxide dismutase (SOD)	X02317	3	0.02%	1	0.01%	4	0.03%	6	0.04%	14
329	nuclease sensitive element binding protein 1 (N	NM_004559.1	4	0.03%	2	0.01%	2	0.02%	6	0.04%	14
330	phospholipase A2	M86400	0	0.00%	3	0.02%	5	0.04%	6	0.04%	14
331	glutamine synthetase	S70290	0	0.00%	11	0.06%	1	0.01%	2	0.01%	14
332	cathepsin B (CTSB)	L22569	3	0.02%	3	0.02%	2	0.02%	6	0.04%	14
333	thyroid receptor interactor (TRIP7)	L40357	3	0.02%	3	0.02%	4	0.03%	4	0.03%	14
334	alpha-2-macroglobulin	D83196	3	0.02%	4	0.02%	6	0.05%	1	0.01%	14
335	Tis11d gene	U07802	5	0.04%	6	0.03%	3	0.02%	0	0.00%	14
336	vacuolar sorting protein VPS29/PEP11 (LOC516	NM_016226.1	2	0.01%	2	0.01%	3	0.02%	7	0.05%	14
337	low molecular mass ubiquinone-binding protein	D50369	4	0.03%	3	0.02%	0	0.00%	7	0.05%	14
338	Ku autoimmune antigen gene	J04977.1	1	0.01%	1	0.01%	9	0.07%	3	0.02%	14
339	transforming growth factor beta-stimulated protei	NM_006022.1	5	0.04%	6	0.03%	3	0.02%	0	0.00%	14
340	caldesmon	M64110	0	0.00%	0	0.00%	3	0.02%	11	0.08%	14
341	HSPC330 mRNA(=HSPC016)	AF161448.1	5	0.04%	4	0.02%	0	0.00%	5	0.04%	14
342	syndecan binding protein (syntenin) (SDCBP)(O	NM_005625.1	2	0.01%	5	0.03%	5	0.04%	2	0.01%	14
343	triosephosphate isomerase (TPI1)	M10036	8	0.06%	5	0.03%	1	0.01%	0	0.00%	14
344	transcription elongation factor B polypeptide 1-lik	NP_003188.1	0	0.00%	14	0.08%	0	0.00%	0	0.00%	14
345	heat shock 70kD protein 10 (HSC71) (HSPA10)	NM_006597.1	1	0.01%	7	0.04%	1	0.01%	4	0.03%	13

346	transmembrane protein (CD59)	M84349.1	1	0.01%	6	0.03%	0	0.00%	6	0.04%	13
347	chloride intracellular channel 4 like (CLIC4L)	NM_013943.1	1	0.01%	6	0.03%	3	0.02%	3	0.02%	13
348	phenylalkylamine binding protein gene	AF196969.1	3	0.02%	2	0.01%	7	0.06%	1	0.01%	13
349	collagenase type IV	J03210	10	0.07%	2	0.01%	0	0.00%	1	0.01%	13
350	calnexin (CANX) integral membrane protein, cal	M94859	0	0.00%	4	0.02%	2	0.02%	7	0.05%	13
351	actin binding protein ABP620	AB029290.1	3	0.02%	5	0.03%	1	0.01%	4	0.03%	13
352	peripheral myelin protein 22	M94048	5	0.04%	4	0.02%	3	0.02%	1	0.01%	13
353	syntaxin 4 binding protein UNC-18c (UNC-18c)	AF032922.1	10	0.07%	0	0.00%	1	0.01%	2	0.01%	13
354	CGI-110 protein	AF151868.1	1	0.01%	4	0.02%	2	0.02%	6	0.04%	13
355	HSPC163	AF161512	0	0.00%	2	0.01%	4	0.03%	7	0.05%	13
356	sin3 associated polypeptide (SAP18)	AF153608	3	0.02%	4	0.02%	4	0.03%	2	0.01%	13
357	TPT1 gene for translationally controlled tumor pr	AJ400717.1	2	0.01%	10	0.06%	0	0.00%	1	0.01%	13
358	ribosomal protein S15 (RPS15) (=insulinoma rig-	NM_001018.1	11	0.08%	2	0.01%	0	0.00%	0	0.00%	13
359	ribosomal protein S26	NM_001029.1	6	0.04%	7	0.04%	0	0.00%	0	0.00%	13
360	pre-mRNA splicing factor (SFRS3)	AF107405.1	3	0.02%	3	0.02%	2	0.02%	5	0.04%	13
361	thrombospondin 1 (THBS1)	NM_003246.1	5	0.04%	2	0.01%	5	0.04%	1	0.01%	13
362	insulin-like growth factor binding protein 5 (IGFB	L27556.1	6	0.04%	5	0.03%	1	0.01%	1	0.01%	13
363	fibroblast activation protein, alpha; seprase (FAF	NM_004460.1	2	0.01%	6	0.03%	0	0.00%	5	0.04%	13
364	thymosin beta-10	S54005	9	0.07%	0	0.00%	2	0.02%	2	0.01%	13
365	HSPC005 (=C11orf10)	AF070661	0	0.00%	1	0.01%	1	0.01%	11	0.08%	13
366	Chaperonin (hsp60 gene)	AJ249625.1	13	0.10%	0	0.00%	0	0.00%	0	0.00%	13
367	HS1 protein (=YWHAQ)	X57347	1	0.01%	4	0.02%	2	0.02%	6	0.04%	13
368	electron transfer flavoprotein alpha-subunit	J04058.1	1	0.01%	12	0.07%	0	0.00%	0	0.00%	13
369	integrin, beta 1(fibronectin receptor, beta polypep	NM_002211.1	0	0.00%	4	0.02%	3	0.02%	6	0.04%	13
370	Fritz mRNA, complete cds	U91903.1	2	0.01%	8	0.05%	3	0.02%	0	0.00%	13
371	heterogeneous nuclear ribonucleoprotein K (HNI	NM_002140.1	5	0.04%	0	0.00%	4	0.03%	3	0.02%	12
372	heat shock 90kD protein 1 beta (HSPCB)	NM_007355.1	6	0.04%	3	0.02%	3	0.02%	0	0.00%	12
373	insulin-like growth factor binding protein 7 (IGFB	4504618	0	0.00%	2	0.01%	5	0.04%	5	0.04%	12
374	hypoxia-inducible factor 1 alpha (HIF-1 alpha)	U22431	0	0.00%	2	0.01%	6	0.05%	4	0.03%	12
375	growth arrest-specific 1 (GAS1)	NM_002048.1	0	0.00%	2	0.01%	5	0.04%	5	0.04%	12
376	lactate dehydrogenase B (LDH-B)	Y00711	3	0.02%	6	0.03%	1	0.01%	2	0.01%	12
377	sterol carrier protein 2	S52450	0	0.00%	3	0.02%	6	0.05%	3	0.02%	12
378	mitochondrial proteolipid 68MP homolog (PLPM)	NM_004894.1	1	0.01%	3	0.02%	3	0.02%	5	0.04%	12
379	hepatitis B virus X interacting protein (XIP)	AF029890	1	0.01%	3	0.02%	3	0.02%	5	0.04%	12
380	nicotinamide N-methyltransferase (NNMT)	U08021	0	0.00%	8	0.05%	1	0.01%	3	0.02%	12
381	ATP synthase epsilon chain	AF077045.1	1	0.01%	0	0.00%	3	0.02%	8	0.06%	12
382	cytochrome c oxidase subunit VIIa (COX7A) mu	M83186	0	0.00%	1	0.01%	2	0.02%	9	0.06%	12
383	DEK oncogene (DNA binding) (DEK)	gi4503248	5	0.04%	1	0.01%	3	0.02%	3	0.02%	12
384	hypoxia-inducible gene 1 (HIG1) (=HSPC010)	AF145385.1	1	0.01%	0	0.00%	8	0.06%	3	0.02%	12
385	activated RNA polymerase (PC4)	NM_006713.1	1	0.01%	3	0.02%	3	0.02%	5	0.04%	12
386	breast carcinoma amplified sequence 2 (BCAS2	NM_005872.1	0	0.00%	0	0.00%	8	0.06%	4	0.03%	12
387	enhancer-of-split and hairy-related protein 1 (SH	AF009329.1	0	0.00%	10	0.06%	1	0.01%	1	0.01%	12
388	BCL2/adenovirus E1B 19kD-interacting protein	U15174	2	0.01%	3	0.02%	3	0.02%	4	0.03%	12
389	protein tyrosine phosphatase (hR-PTPu)	X58288	4	0.03%	3	0.02%	2	0.02%	3	0.02%	12
390	TRPM-2, cytosolic epoxide hydrolase, nicotinic	AF311103.1	0	0.00%	11	0.06%	1	0.01%	0	0.00%	12
391	colon carcinoma laminin-binding protein (=RIBO	J03799.1	10	0.07%	0	0.00%	1	0.01%	1	0.01%	12
392	alpha E-catenin (CTNNA1) gene	AF102803.1	3	0.02%	3	0.02%	2	0.02%	4	0.03%	12
393	Cik-associated RS cyclophilin CARS-Cyp	U04763	0	0.00%	3	0.02%	5	0.04%	4	0.03%	12
394	suppression of tumorigenicity 13 (Hsp70-interact	NM_003932.1	2	0.01%	7	0.04%	0	0.00%	3	0.02%	12
395	cytochrome c oxidase subunit VIIa polypeptide 2	NM_004718.1	1	0.01%	4	0.02%	2	0.02%	5	0.04%	12
396	cyclin	M74091	4	0.03%	1	0.01%	1	0.01%	6	0.04%	12
397	NADH dehydrogenase subunit 2 (ND2)	AF014897.2	2	0.01%	3	0.02%	1	0.01%	6	0.04%	12
398	ATP synthase, H transporting, mitochondrial (Re	NP_001676.1	0	0.00%	12	0.07%	0	0.00%	0	0.00%	12
399	nuclear protein SDK3 (=MEMA)	Y10351	6	0.04%	4	0.02%	0	0.00%	2	0.01%	12
400	15 kDa selenoprotein (SEP15)	AF051894	1	0.01%	2	0.01%	3	0.02%	6	0.04%	12
401	eukaryotic translation elongation factor 1 gamma	NM_001404.1	6	0.04%	3	0.02%	0	0.00%	2	0.01%	11
402	transmembrane protein (p63)	X69910	8	0.06%	1	0.01%	1	0.01%	1	0.01%	11
403	clathrin, heavy polypeptide-like 2 (CLTCL2) (=KL	NM_004859.1	3	0.02%	0	0.00%	0	0.00%	8	0.06%	11

404	extracellular matrix protein	AB011792	0	0.00%	1	0.01%	5	0.04%	5	0.04%	11
405	mesoderm specific transcript (mouse) homolog	NM_002402.1	10	0.07%	1	0.01%	0	0.00%	0	0.00%	11
406	KIAA0728	AB018271.1	0	0.00%	1	0.01%	6	0.05%	4	0.03%	11
407	ADP/ATP translocase	J03592	5	0.04%	6	0.03%	0	0.00%	0	0.00%	11
408	UDP-glucose dehydrogenase (UGDH)	AF061016	2	0.01%	2	0.01%	4	0.03%	3	0.02%	11
409	protein phosphatase 2 (formerly 2A), catalytic su	NM_002715.1	4	0.03%	4	0.02%	1	0.01%	2	0.01%	11
410	protein C inhibitor [human, leukocytes, Genomic	S69366.1	1	0.01%	6	0.03%	1	0.01%	3	0.02%	11
411	ribophorin II (RPN2)	Y00282	7	0.05%	3	0.02%	0	0.00%	1	0.01%	11
412	ubiquitin-conjugating enzyme E2B (RAD6 homol	NM_003337.1	1	0.01%	6	0.03%	2	0.02%	2	0.01%	11
413	ERF-1	X79067.1	3	0.02%	2	0.01%	0	0.00%	6	0.04%	11
414	zinc finger transCRiption factor GKLF	AF105036.1	1	0.01%	4	0.02%	2	0.02%	4	0.03%	11
415	GABA(A) receptor-associated protein (GABARA	NM_007278.1	5	0.04%	3	0.02%	0	0.00%	3	0.02%	11
416	titin (TTN) gene	CAA49245.1	5	0.04%	1	0.01%	2	0.02%	3	0.02%	11
417	epidermal growth factor receptor kinase substrat	U12535	1	0.01%	2	0.01%	5	0.04%	3	0.02%	11
418	FRG1	L76159	1	0.01%	3	0.02%	2	0.02%	5	0.04%	11
419	E25B protein	U76253	10	0.07%	0	0.00%	1	0.01%	0	0.00%	11
420	transCRiption factor BTF 3	X74070	6	0.04%	1	0.01%	1	0.01%	3	0.02%	11
421	transmembrane glycoprotein (GPNMB)	X76534	0	0.00%	2	0.01%	4	0.03%	5	0.04%	11
422	profilin II	L10678.1	3	0.02%	3	0.02%	1	0.01%	4	0.03%	11
423	calreticulin (CALR)	M84739	7	0.05%	2	0.01%	0	0.00%	2	0.01%	11
424	ADP-ribosylation factor 1	M84326.1	7	0.05%	1	0.01%	3	0.02%	0	0.00%	11
425	16.7Kd protein	AF078845.1	3	0.02%	3	0.02%	2	0.02%	3	0.02%	11
426	KIAA1247	AB033073.1	0	0.00%	5	0.03%	2	0.02%	4	0.03%	11
427	peroxiredoxin 1 (PRDX1) (=NKEFA)	NM_002574.1	3	0.02%	6	0.03%	1	0.01%	1	0.01%	11
428	poly(A)-binding protein, cytoplasmic 1 (PABPC1	NM_002568.1	2	0.01%	3	0.02%	0	0.00%	6	0.04%	11
429	tyrosine 3-monooxygenase/tryptophan 5-monoo	NM_006826.1	3	0.02%	3	0.02%	1	0.01%	4	0.03%	11
430	myosin light chain 3 non-muscle (MLC3nm)	M31212	1	0.01%	1	0.01%	3	0.02%	5	0.04%	10
431	Lsm3 protein	AJ238095.1	0	0.00%	4	0.02%	2	0.02%	4	0.03%	10
432	CD164 antigen, sialomucin (CD164)	NM_006016.1	1	0.01%	3	0.02%	1	0.01%	5	0.04%	10
433	collagen type XVI collagen alpha 1 (COL16A1)	S57132.1	10	0.07%	0	0.00%	0	0.00%	0	0.00%	10
434	SET translocation (myeloid leukemia-associated	NM_003011.1	2	0.01%	2	0.01%	2	0.02%	4	0.03%	10
435	amyloid-beta protein (APP)	M33112.1	0	0.00%	3	0.02%	3	0.02%	4	0.03%	10
436	vesicle docking protein p115 (P115)	NM_003715.1	0	0.00%	2	0.01%	4	0.03%	4	0.03%	10
437	hereditary haemochromatosis region, histone 2A	U91328.1	0	0.00%	3	0.02%	3	0.02%	4	0.03%	10
438	cell cycle progression 8 protein (CPR8)(ORF)=A	NM_004748.1	0	0.00%	2	0.01%	2	0.02%	6	0.04%	10
439	KIAA0438	AB007898.1	1	0.01%	4	0.02%	2	0.02%	3	0.02%	10
440	actin, alpha, cardiac muscle	NP_005150.1	2	0.01%	8	0.05%	0	0.00%	0	0.00%	10
441	GAP-associated tyrosine phosphoprotein p62 (S	NM_006559.1	2	0.01%	4	0.02%	1	0.01%	3	0.02%	10
442	sphingolipid activator protein 1	J03015	4	0.03%	1	0.01%	1	0.01%	4	0.03%	10
443	transcription elongation factor A (SII), 1 (TCEA1)	NM_006756.1	0	0.00%	1	0.01%	4	0.03%	5	0.04%	10
444	nuclear pore complex interacting protein (NPIP)	AF132984.1	1	0.01%	9	0.05%	0	0.00%	0	0.00%	10
445	ganglioside expression factor 2 (GEF-2)	NM_007285.1	1	0.01%	3	0.02%	1	0.01%	5	0.04%	10
446	Down syndrome candidate region 1 (DSCR1)	NM_004414.2	1	0.01%	2	0.01%	1	0.01%	6	0.04%	10
447	S164 (=AC004858 U1 small ribonucleoprotein 1	AF109907	1	0.01%	3	0.02%	3	0.02%	3	0.02%	10
448	proline-rich protein with nuclear targeting signal	NM_006813.1	0	0.00%	3	0.02%	5	0.04%	2	0.01%	10
449	PAPS synthetase-2 (PAPSS2)	AF074331.1	2	0.01%	3	0.02%	2	0.02%	3	0.02%	10
450	RIBOSOMAL PROTEIN SA (P40)	spP08865	8	0.06%	0	0.00%	1	0.01%	1	0.01%	10
451	ataxia telangiectasia (ATM) gene	U82828.1	0	0.00%	5	0.03%	2	0.02%	3	0.02%	10
452	ARP2/3 protein complex subunit p21 (ARC21=A	NM_005719.1	1	0.01%	1	0.01%	6	0.05%	2	0.01%	10
453	HSPC297 (=HSPC030)	AF161415.1	0	0.00%	1	0.01%	4	0.03%	5	0.04%	10
454	NS1-binding protein (NS1-BP) (=AB020657 KIA	AJ012449	1	0.01%	1	0.01%	6	0.05%	2	0.01%	10
455	dioxin-inducible cytochrome P450 (CYP1B1)	U03688.1	0	0.00%	6	0.03%	3	0.02%	1	0.01%	10
456	WSB-1 isoform	AF106684.1	3	0.02%	5	0.03%	1	0.01%	1	0.01%	10
457	protein disulfide isomerase-related protein (P5)=	NM_005742.1	2	0.01%	0	0.00%	5	0.04%	3	0.02%	10
458	membrane protein CH1 (CH1)	AB020980	3	0.02%	6	0.03%	1	0.01%	0	0.00%	10
459	sema domain immunoglobulin domain (Ig)(sema	NM_012431.1	1	0.01%	3	0.02%	4	0.03%	2	0.01%	10
460	heat shock J2 protein (HSJ2)	AF075601.1	2	0.01%	0	0.00%	4	0.03%	4	0.03%	10
461	T245 protein (T245) =TM4SF6=TM4-D	AF043906	1	0.01%	4	0.02%	0	0.00%	5	0.04%	10

462	inositol polyphosphate 1-phosphatase gene (INF AF141324.1	1	0.01%	1	0.01%	2	0.02%	6	0.04%	10
463	RAN, member RAS oncogene family (RAN), mR Hs.10842	2	0.01%	1	0.01%	0	0.00%	7	0.05%	10
464	HSPC016, mRNA /cds=(38,232) /gb=NM_01593 Hs.171774	4	0.03%	2	0.01%	0	0.00%	4	0.03%	10
465	JKTBP2, JKTBP1, complete cds AB017018.1	2	0.01%	5	0.03%	2	0.02%	1	0.01%	10
466	ribosomal 18S, 58S, and 28S (=45S pre rRNA gi V01270.1	0	0.00%	9	0.05%	0	0.00%	0	0.00%	9
467	SEC24 (S. cerevisiae)related gene family, memt NM_014822.1	0	0.00%	2	0.01%	3	0.02%	4	0.03%	9
468	annexin A4 (ANXA4) NM_001153.2	0	0.00%	2	0.01%	3	0.02%	4	0.03%	9
469	arginine-rich nuclear protein M74002	3	0.02%	0	0.00%	2	0.02%	4	0.03%	9
470	malate dehydrogenase 1, NAD (soluble) (MDH1; NM_005917.1	0	0.00%	3	0.02%	3	0.02%	3	0.02%	9
471	collagen type VI alpha 1(COL6A1) X15880	3	0.02%	2	0.01%	1	0.01%	3	0.02%	9
472	SMT3 (suppressor of mif two 3, yeast) homolog : NM_006937.1	1	0.01%	4	0.02%	2	0.02%	2	0.01%	9
473	cyclophilin B (hCyPB) M60857	5	0.04%	3	0.02%	0	0.00%	1	0.01%	9
474	YAP65 X80507.1	3	0.02%	1	0.01%	4	0.03%	1	0.01%	9
475	uridine diphosphoglucose pyrophosphorylase U27460	1	0.01%	1	0.01%	4	0.03%	3	0.02%	9
476	prolyl 4-hydroxylase gene U14608.1	3	0.02%	1	0.01%	1	0.01%	4	0.03%	9
477	melanoma-associated antigen MG50 AF200348.1	7	0.05%	1	0.01%	1	0.01%	0	0.00%	9
478	kinectin 1 (kinesin receptor) (KTN1)(= KIAA0004 NM_004986.1	0	0.00%	2	0.01%	4	0.03%	3	0.02%	9
479	Dickkopf gene 3 (DKK-3) NM_013253.1	0	0.00%	1	0.01%	0	0.00%	8	0.06%	9
480	AD-017 protein AF157318.1	1	0.01%	4	0.02%	2	0.02%	2	0.01%	9
481	Fn54 AF001533.2	0	0.00%	0	0.00%	3	0.02%	6	0.04%	9
482	HSPC035 protein (LOC51669), NP0003 NM_016127.1	2	0.01%	2	0.01%	3	0.02%	2	0.01%	9
483	KIAA0164 D79986	1	0.01%	4	0.02%	2	0.02%	2	0.01%	9
484	KIAA0970 AB023187.1	0	0.00%	4	0.02%	3	0.02%	2	0.01%	9
485	KIAA1077 AB029000.1	3	0.02%	2	0.01%	2	0.02%	2	0.01%	9
486	prion protein (p27-30) (Creutzfeld-Jakob disease NM_000311.1	1	0.01%	3	0.02%	1	0.01%	4	0.03%	9
487	trichorhinophalangeal syndrome I gene (TRPS1) NM_014112.1	0	0.00%	5	0.03%	2	0.02%	2	0.01%	9
488	activating transCRiption factor 4 (tax-responsive gi4502264	4	0.03%	5	0.03%	0	0.00%	0	0.00%	9
489	sox AF070669	0	0.00%	6	0.03%	0	0.00%	3	0.02%	9
490	TATA box binding protein (TBP)-associated factor NM_005642.1	2	0.01%	3	0.02%	2	0.02%	2	0.01%	9
491	allograft inflammatory factor 1 (AIF1) NM_001623.2	1	0.01%	5	0.03%	0	0.00%	3	0.02%	9
492	heat shock protein 86 (HSP86) M30626.1	1	0.01%	0	0.00%	3	0.02%	5	0.04%	9
493	t-complex-associated-testis-expressed 1-like (TC NM_005520.1	0	0.00%	5	0.03%	1	0.01%	3	0.02%	9
494	matrilin-2 precursor U69263	1	0.01%	2	0.01%	3	0.02%	3	0.02%	9
495	actin-related protein Arp3 (ARP3)(actin-related p AF006083.1	2	0.01%	1	0.01%	2	0.02%	4	0.03%	9
496	bone sialoprotein (BNSP) L10363.1	5	0.04%	4	0.02%	0	0.00%	0	0.00%	9
497	interleukin 1 receptor, type I (IL1R1) = M27492.1 NM_000877.1	1	0.01%	3	0.02%	1	0.01%	4	0.03%	9
498	serine/threonine protein kinase Kp78 splice vari AF159295.1	1	0.01%	8	0.05%	0	0.00%	0	0.00%	9
499	latent transforming growth factor beta binding pr NM_000627.1	2	0.01%	4	0.02%	2	0.02%	1	0.01%	9
500	MAGUK protein p55T (=AB002323 KIAA0325) AF162130.1	2	0.01%	3	0.02%	3	0.02%	1	0.01%	9
501	NAP (nucleosome assembly protein) M86667	0	0.00%	2	0.01%	1	0.01%	6	0.04%	9
502	fragile 16D oxido reductase (FOR) AF217490.1	1	0.01%	5	0.03%	3	0.02%	0	0.00%	9
503	factor H homologue M65294.1	0	0.00%	3	0.02%	1	0.01%	5	0.04%	9
504	CYTOCHROME C OXIDASE POLYPEPTIDE I P00395	1	0.01%	2	0.01%	2	0.02%	4	0.03%	9
505	stathmin (=J04991 p18 protein; Z11566 Pr22 prc X53305	8	0.06%	0	0.00%	0	0.00%	1	0.01%	9
506	cellular growth-regulating protein L10844	4	0.03%	2	0.01%	1	0.01%	2	0.01%	9
507	paired mesoderm homeo box 1 (PMX1) gi5902023	1	0.01%	0	0.00%	5	0.04%	3	0.02%	9
508	PTD014 AF092135.1	0	0.00%	1	0.01%	3	0.02%	5	0.04%	9
509	SWI/SNF related, matrix associated (SMARCA1 gi4507066	3	0.02%	2	0.01%	2	0.02%	2	0.01%	9
510	fos proto-oncogene (c-fos) K00650.1	8	0.06%	0	0.00%	0	0.00%	1	0.01%	9
511	integral membrane protein 2A (ITM2A) NM_004867.1	4	0.03%	5	0.03%	0	0.00%	0	0.00%	9
512	ATP synthase F0 subunit 6 (RefSeq aa 8e-74) 5835393	0	0.00%	9	0.05%	0	0.00%	0	0.00%	9
513	protein phosphatase 2A catalytic subunit-beta M60484	3	0.02%	1	0.01%	4	0.03%	1	0.01%	9
514	semaphorin E AB000220	0	0.00%	2	0.01%	3	0.02%	4	0.03%	9
515	HSPC061 AF161546.1	0	0.00%	7	0.04%	0	0.00%	2	0.01%	9
516	heterogeneous nuclear ribonucleoprotein A2/B1 NM_002137.1	3	0.02%	5	0.03%	0	0.00%	0	0.00%	8
517	zinc finger protein 9 (a cellular retroviral nucleic : gi4827070	1	0.01%	3	0.02%	0	0.00%	4	0.03%	8
518	HepG2 D17039	2	0.01%	0	0.00%	4	0.03%	2	0.01%	8
519	laminin B2 chain M55210	1	0.01%	4	0.02%	2	0.02%	1	0.01%	8

520	matrix metalloproteinase 3 (stromelysin 1, proge	NM_002422.1	0	0.00%	7	0.04%	0	0.00%	1	0.01%	8
521	MRG15 protein (MRG15)	AF100615.1	0	0.00%	1	0.01%	1	0.01%	6	0.04%	8
522	HSPC025 (HSPC025)	NM_016091.1	0	0.00%	5	0.03%	2	0.02%	1	0.01%	8
523	RGC32 protein (RGC32)	NM_014059.1	0	0.00%	2	0.01%	4	0.03%	2	0.01%	8
524	NADH-ubiquinone oxidoreductase AGGG subun	AF067166.1	4	0.03%	0	0.00%	1	0.01%	3	0.02%	8
525	ubiquitin gene	U49869	3	0.02%	1	0.01%	1	0.01%	3	0.02%	8
526	karyopherin alpha 4 (=importin alpha 3) (KPNA4	NM_002268.1	2	0.01%	2	0.01%	2	0.02%	2	0.01%	8
527	DEAD-box protein (BAT1) gene	AF029062.1	8	0.06%	0	0.00%	0	0.00%	0	0.00%	8
528	glutamyl-tRNA synthetase(QARS)	NM_005051.1	8	0.06%	0	0.00%	0	0.00%	0	0.00%	8
529	GOLGI 4-TRANSMEMBRANE SPANNING TRA	spQ15012	1	0.01%	0	0.00%	4	0.03%	3	0.02%	8
530	high-mobility group (nonhistone chromosomal) p	NM_005517.1	6	0.04%	0	0.00%	1	0.01%	1	0.01%	8
531	tumor neCRosis factor-inducible (TSG-6)	M31165	0	0.00%	0	0.00%	4	0.03%	4	0.03%	8
532	antigen NY-CO-33 (NY-CO-33)	AF039698.1	8	0.06%	0	0.00%	0	0.00%	0	0.00%	8
533	anti-oxidant protein 2 (non-selenium glutathione	NM_004905.1	4	0.03%	2	0.01%	0	0.00%	2	0.01%	8
534	constitutive fragile region FRA3B	AF152363.1	0	0.00%	3	0.02%	2	0.02%	3	0.02%	8
535	KIAA0242	D87684	1	0.01%	3	0.02%	4	0.03%	0	0.00%	8
536	KIAA0663	AB014563	1	0.01%	2	0.01%	1	0.01%	4	0.03%	8
537	UDP-glucose pyrophosphorylase 2 (ORF)	NM_006759.1	1	0.01%	1	0.01%	4	0.03%	2	0.01%	8
538	palmitoyl-protein thioesterase (PPT)	AF022211	1	0.01%	2	0.01%	1	0.01%	4	0.03%	8
539	N-acylsphingosine amidohydrolase (ASAH) (acir	NM_004315.1	0	0.00%	3	0.02%	1	0.01%	4	0.03%	8
540	prostatic binding protein (PBP)	NM_002567.1	3	0.02%	3	0.02%	1	0.01%	1	0.01%	8
541	CYTOCHROME C OXIDASE POLYPEPTIDE II	spP00403	2	0.01%	2	0.01%	1	0.01%	3	0.02%	8
542	ornithine aminotransferase	M29927	3	0.02%	2	0.01%	1	0.01%	2	0.01%	8
543	basic transcription element binding protein 1 (BT	NM_001206.1	0	0.00%	7	0.04%	1	0.01%	0	0.00%	8
544	Huntingtin interacting protein	AF049103	4	0.03%	3	0.02%	0	0.00%	1	0.01%	8
545	thyroid hormone binding protein (p55) (=M22806	J02783	6	0.04%	0	0.00%	0	0.00%	2	0.01%	8
546	ISLR (immunoglobulin superfamily containing lei	AB024537	5	0.04%	1	0.01%	0	0.00%	2	0.01%	8
547	biglycan BGN	U11686.1	2	0.01%	1	0.01%	1	0.01%	4	0.03%	8
548	PPP1R5	AF110824.1	1	0.01%	3	0.02%	3	0.02%	1	0.01%	8
549	MADS/MEF2-family transcription factor (MEF2C	L08895.1	1	0.01%	7	0.04%	0	0.00%	0	0.00%	8
550	RAN binding protein 2 (RANBP2)	NM_006267.2	0	0.00%	3	0.02%	0	0.00%	5	0.04%	8
551	insulin-like growth factor I	X57025	0	0.00%	5	0.03%	2	0.02%	1	0.01%	8
552	single-stranded DNA-binding protein (SSBP), nu	NM_003143.1	0	0.00%	1	0.01%	3	0.02%	4	0.03%	8
553	Nck-associated protein 1 (Nap1) (=AB011159 KI	AB014509.1	0	0.00%	1	0.01%	5	0.04%	2	0.01%	8
554	cisplatin resistance-associated overexpressed p	AB034205.1	0	0.00%	4	0.02%	1	0.01%	3	0.02%	8
555	dihydropyrimidinase-like 3 (DPYSL3)	NM_001387.1	0	0.00%	2	0.01%	1	0.01%	5	0.04%	8
556	KIAA0102	D14658	1	0.01%	2	0.01%	1	0.01%	4	0.03%	8
557	KIAA0191 (zinc finger homolog)	D83776	0	0.00%	3	0.02%	4	0.03%	1	0.01%	8
558	NADH dehydrogenase (ubiquinone) 1 alpha sub	NM_005000.1	1	0.01%	2	0.01%	2	0.02%	3	0.02%	8
559	proteasome (prosome, macropain) 26Ssubunit, r	NP_002793.1	0	0.00%	8	0.05%	0	0.00%	0	0.00%	8
560	lysosomal-associated protein transmembrane 4	NM_014713.1	0	0.00%	7	0.04%	0	0.00%	1	0.01%	8
561	adaptor-related protein complex 3, sigma 1 sub	NM_001284.1	2	0.01%	3	0.02%	0	0.00%	3	0.02%	8
562	nidogen-2	AJ223500	3	0.02%	3	0.02%	0	0.00%	2	0.01%	8
563	melanoma growth regulatory protein MIA	X75450	4	0.03%	4	0.02%	0	0.00%	0	0.00%	8
564	Arp2/3 protein complex subunit p16 (ARC16) =A	NM_005717.1	3	0.02%	1	0.01%	1	0.01%	3	0.02%	8
565	Kallmann syndrome 1 (KAL1) (=ADMLX=putativ	NM_000216.1	0	0.00%	2	0.01%	5	0.04%	1	0.01%	8
566	apoptosis related protein APR-1	AF143235.2	2	0.01%	2	0.01%	2	0.02%	2	0.01%	8
567	TRAM protein	CAA45218.1	1	0.01%	4	0.02%	0	0.00%	3	0.02%	8
568	1-8U gene from interferon-inducible gene family	X57352.1	6	0.04%	2	0.01%	0	0.00%	0	0.00%	8
569	splicing factor SRp40-1 (SRp40)	U30826.1	0	0.00%	4	0.02%	3	0.02%	1	0.01%	8
570	ORF2 contains a reverse transcriptase domain	AAA51622.1	0	0.00%	5	0.03%	1	0.01%	2	0.01%	8
571	ORF2 contains a reverse transcriptase domain	AAB59368.1	0	0.00%	5	0.03%	1	0.01%	2	0.01%	8
572	splicing factor, arginine/serine-rich 5 (RefSeq aa	NP_008856.1	0	0.00%	4	0.02%	3	0.02%	1	0.01%	8
573	REIC/Dkk-3	AB034203.1	0	0.00%	7	0.04%	0	0.00%	1	0.01%	8
574	Golgi autoantigen, golgin subfamily a, 4 (GOLG/	NM_002078.2	0	0.00%	1	0.01%	3	0.02%	3	0.02%	7
575	complement component 1, s subcomponent (C1: NM	001734.1	0	0.00%	5	0.03%	1	0.01%	1	0.01%	7
576	reticulocalbin 2, EF-hand calcium binding domai	NM_002902.1	3	0.02%	2	0.01%	0	0.00%	2	0.01%	7
577	Eukaryotic translation initiation factor 2, subunit	NM_003908.1	2	0.01%	1	0.01%	1	0.01%	3	0.02%	7

578 5' nucleotidase (EC 3.1.3.5)	X55740	0 0.00%	0 0.00%	3 0.02%	4 0.03%	7
579 interferon induced transmembrane protein 1 (9-2 NM_003641.1		0 0.00%	6 0.03%	0 0.00%	1 0.01%	7
580 transforming, acidic coiled-coil containing protein NM_006283.1		1 0.01%	3 0.02%	1 0.01%	2 0.01%	7
581 fau	X65923	7 0.05%	0 0.00%	0 0.00%	0 0.00%	7
582 KIAA0372	AB002370.1	2 0.01%	3 0.02%	0 0.00%	2 0.01%	7
583 MEK binding partner 1	AF201947.1	0 0.00%	4 0.02%	0 0.00%	3 0.02%	7
584 stearyl-CoA desaturase	AB032261.1	3 0.02%	0 0.00%	4 0.03%	0 0.00%	7
585 protein immuno-reactive with anti-PTH polyclonal	U28831.1	0 0.00%	2 0.01%	4 0.03%	1 0.01%	7
586 AgX-1 antigen	S73498	0 0.00%	0 0.00%	3 0.02%	4 0.03%	7
587 erythrocyte membrane protein band 4.1-like 2 (E NM_001431.1		0 0.00%	4 0.02%	3 0.02%	0 0.00%	7
588 valosin-containing protein(VCP)	NM_007126.2	3 0.02%	3 0.02%	1 0.01%	0 0.00%	7
589 clathrin, light polypeptide (Lca) (CLTA)	NM_007096.1	1 0.01%	3 0.02%	2 0.02%	1 0.01%	7
590 spectrin SH3 domain binding protein 1 (SSH3BF NM_005470.1		0 0.00%	1 0.01%	3 0.02%	3 0.02%	7
591 dual specificity phosphatase 1 (DUSP1)	NM_004417.2	1 0.01%	4 0.02%	1 0.01%	1 0.01%	7
592 p75NTR-associated cell death executor (NADE)	AF187064.1	3 0.02%	0 0.00%	1 0.01%	3 0.02%	7
593 GW128	AF107406	1 0.01%	2 0.01%	1 0.01%	3 0.02%	7
594 HSPC194	AF151028.1	2 0.01%	2 0.01%	0 0.00%	3 0.02%	7
595 HSPC238	AF151072.1	0 0.00%	1 0.01%	4 0.03%	2 0.01%	7
596 IDN3	AB019494.1	0 0.00%	4 0.02%	2 0.02%	1 0.01%	7
597 KIAA0069 gene	D31885.1	1 0.01%	3 0.02%	2 0.02%	1 0.01%	7
598 KIAA0143 gene	D63477.1	3 0.02%	2 0.01%	1 0.01%	1 0.01%	7
599 KIAA0332	AB002330	1 0.01%	1 0.01%	3 0.02%	2 0.01%	7
600 non-metastatic cells 2, protein (NM23B) express	NM_002512.1	4 0.03%	1 0.01%	1 0.01%	1 0.01%	7
601 over-expressed breast tumor protein	L34839	1 0.01%	4 0.02%	2 0.02%	0 0.00%	7
602 PRO0530	AF111849.1	1 0.01%	0 0.00%	2 0.02%	4 0.03%	7
603 PTD010	AF078863.1	2 0.01%	0 0.00%	3 0.02%	2 0.01%	7
604 glyoxalase-I (GLO1)	AF146651.1	0 0.00%	2 0.01%	3 0.02%	2 0.01%	7
605 high density lipoprotein binding protein (HBP)	M64098	5 0.04%	0 0.00%	1 0.01%	1 0.01%	7
606 eukaryotic translation initiation factor 3, subunit : gi4503514		3 0.02%	1 0.01%	0 0.00%	3 0.02%	7
607 cathepsin L (CTSL)	NM_001912.1	1 0.01%	4 0.02%	1 0.01%	1 0.01%	7
608 sorting nexin 6 (SNX6)	AF121856.1	0 0.00%	3 0.02%	2 0.02%	2 0.01%	7
609 KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum	NM_006854.2	2 0.01%	2 0.01%	1 0.01%	2 0.01%	7
610 nuclear factor of kappa light polypeptide gene er	AF213884.1	1 0.01%	6 0.03%	0 0.00%	0 0.00%	7
611 transCRiptional coactivator PC4	U12979	0 0.00%	0 0.00%	0 0.00%	7 0.05%	7
612 poly(rC)-binding protein 1 (PCBP1)	NM_006196.1	2 0.01%	2 0.01%	1 0.01%	2 0.01%	7
613 Ia-associated invariant gamma-chain gene	M13560	0 0.00%	4 0.02%	1 0.01%	2 0.01%	7
614 immunoglobulin lambda gene	D87003.1	2 0.01%	2 0.01%	2 0.02%	1 0.01%	7
615 uncharacterized bone marrow protein BM034 (= AF217511.1		1 0.01%	3 0.02%	1 0.01%	2 0.01%	7
616 small membrane protein 1 (SMP1)	AF081282	2 0.01%	0 0.00%	2 0.02%	3 0.02%	7
617 chondroitin sulfate proteoglycan 2 (versican) (C NM_004385.1		1 0.01%	4 0.02%	2 0.02%	0 0.00%	7
618 dermatan sulfate proteoglycan 3 (DSPG3)	U59111	7 0.05%	0 0.00%	0 0.00%	0 0.00%	7
619 stromal cell derived factor receptor 1 (SDFR1)	NM_012428.1	1 0.01%	0 0.00%	1 0.01%	5 0.04%	7
620 ras-related GTP-binding protein	AF106681.1	1 0.01%	1 0.01%	3 0.02%	2 0.01%	7
621 cytosolic thyroid hormone-binding protein (=M23 M26252		5 0.04%	2 0.01%	0 0.00%	0 0.00%	7
622 SLC11A3 iron transporter	AF215636.1	1 0.01%	2 0.01%	1 0.01%	3 0.02%	7
623 syntaxin 8	AAD20831.1	0 0.00%	4 0.02%	3 0.02%	0 0.00%	7
624 vascular cell adhesion molecule 1 (VCAM1)	M30257	0 0.00%	2 0.01%	1 0.01%	4 0.03%	7
625 GTP-binding protein Sara	AF092130.1	1 0.01%	0 0.00%	3 0.02%	3 0.02%	7
626 interCRine-alpha (hIRH)	U19495	4 0.03%	3 0.02%	0 0.00%	0 0.00%	7
627 line-1 protein ORF2 (=p150)	B28096	0 0.00%	3 0.02%	1 0.01%	3 0.02%	7
628 small acidic protein	U51678	0 0.00%	1 0.01%	2 0.02%	4 0.03%	7
629 small EDRK-rich factor 2 (SERF2)	NM_005770.1	4 0.03%	2 0.01%	1 0.01%	0 0.00%	7
630 ATP SYNTHASE E CHAIN, MITOCHONDRIAL	spP56385	1 0.01%	0 0.00%	2 0.02%	4 0.03%	7
631 ubiquitin-conjugating enzyme E2 variant 1 (UBE: NM_003349.1		1 0.01%	4 0.02%	0 0.00%	2 0.01%	7
632 zinc finger protein SLUG (SLUG) gene	AF084243.1	3 0.02%	1 0.01%	1 0.01%	2 0.01%	7
633 RNA binding motif protein 8B (RBM8B)	AF231512.1	0 0.00%	5 0.03%	0 0.00%	2 0.01%	7
634 CGI-149 protein	AF151907.1	2 0.01%	1 0.01%	4 0.03%	0 0.00%	7
635 elastin (ELN)	U62292	7 0.05%	0 0.00%	0 0.00%	0 0.00%	7



636	non-histone chromosomal protein (HMG-1)	L08048.1	1	0.01%	1	0.01%	3	0.02%	2	0.01%	7
637	KIAA0038 gene	D26068.1	3	0.02%	1	0.01%	2	0.02%	1	0.01%	7
638	NADH dehydrogenase (ubiquinone) 1 beta subo	NM_005004.1	2	0.01%	2	0.01%	0	0.00%	3	0.02%	7
639	esterase D	AF112219	1	0.01%	2	0.01%	1	0.01%	3	0.02%	7
640	lost on transformation LOT1 (=PLAGL1)	U72621.2	1	0.01%	0	0.00%	2	0.02%	4	0.03%	7
641	N2A3 (=DPYSL2) (=dihydropyrimidinase related	U97105	1	0.01%	0	0.00%	2	0.02%	4	0.03%	7
642	SON DNA binding protein (SON)	X63753	2	0.01%	0	0.00%	3	0.02%	2	0.01%	7
643	polyposis locus (DP1 gene)	M73547	1	0.01%	0	0.00%	4	0.03%	2	0.01%	7
644	LENG7 mRNA, (=PRO2003 mRNA)(= elongation	AF211972.1	0	0.00%	7	0.04%	0	0.00%	0	0.00%	7
645	matrilin 1, cartilage matrix protein (MATN1)	NM_002379.2	7	0.05%	0	0.00%	0	0.00%	0	0.00%	7
646	NADH dehydrogenase (ubiquinone) 1 beta subo	NM_004545.1	0	0.00%	4	0.02%	1	0.01%	1	0.01%	6
647	proteasome (prosome, maCRopain) subunit, bet	NM_002793.1	0	0.00%	0	0.00%	4	0.03%	2	0.01%	6
648	Deleted in oral cancer-1 (DOC1)	NM_004642.1	2	0.01%	0	0.00%	0	0.00%	4	0.03%	6
649	cyclophilin-related protein (NKTR) gene (=PAC F	AF184110.1	2	0.01%	2	0.01%	1	0.01%	1	0.01%	6
650	NADH-UBIQUINONE OXIDOREDUCTASE CHA spP03886		0	0.00%	2	0.01%	3	0.02%	1	0.01%	6
651	myristoylated alanine-rich C-kinase substrate (=I	M68956	3	0.02%	2	0.01%	0	0.00%	1	0.01%	6
652	signal recognition particle subunit 9 (SRP9)	U20998	1	0.01%	0	0.00%	1	0.01%	4	0.03%	6
653	heterogeneous nuclear ribonucleoprotein C (C1/	NM_004500.1	5	0.04%	0	0.00%	0	0.00%	1	0.01%	6
654	laminin, alpha 4 (LAMA4)	NM_002290.1	3	0.02%	2	0.01%	1	0.01%	0	0.00%	6
655	DRP-2 dihydropyrimidinase related protein 2	AB020777.1	1	0.01%	2	0.01%	0	0.00%	3	0.02%	6
656	HSPC307	AF161425.1	0	0.00%	2	0.01%	3	0.02%	1	0.01%	6
657	progesterone binding protein (HPR6.6)	gi5729874	2	0.01%	0	0.00%	2	0.02%	2	0.01%	6
658	inositol 1,4,5-triphosphate receptor, type 2 (ITPF	NM_002223.1	0	0.00%	2	0.01%	1	0.01%	3	0.02%	6
659	ubiquinol-cytochrome c reductase hinge protein	NM_006004.1	2	0.01%	3	0.02%	1	0.01%	0	0.00%	6
660	eukaryotic translation initiation factor 4A, isoform	NM_001967.2	0	0.00%	5	0.03%	0	0.00%	1	0.01%	6
661	proteasome subunit HC9	D00763	2	0.01%	0	0.00%	2	0.02%	2	0.01%	6
662	basic transCRiption factor 2 p44 (btf2p44) gene,	U80017.1	2	0.01%	1	0.01%	1	0.01%	2	0.01%	6
663	U50HG genes for U50' snoRNA and U50 snoRNA	AB017710	3	0.02%	1	0.01%	1	0.01%	1	0.01%	6
664	alpha-2 globin (HBA1)	AF097635	6	0.04%	0	0.00%	0	0.00%	0	0.00%	6
665	RAD21 (S. pombe) homolog (RAD21) (=X98294	gi5453993	3	0.02%	1	0.01%	1	0.01%	1	0.01%	6
666	GDP dissociation inhibitor 2 (GDI2)	NM_001494.2	0	0.00%	2	0.01%	0	0.00%	4	0.03%	6
667	disabled 2 p93 (DAB2) (mitogen-responsive pho	AF188298.1	0	0.00%	3	0.02%	2	0.02%	1	0.01%	6
668	KIAA1074	AB028997.1	0	0.00%	3	0.02%	3	0.02%	0	0.00%	6
669	myeloid/lymphoid or mixed-lineage leukemia (trit	NM_005935.1	0	0.00%	4	0.02%	1	0.01%	1	0.01%	6
670	N-terminal acetyltransferase complex ard1 subu	AF085355.1	0	0.00%	1	0.01%	3	0.02%	2	0.01%	6
671	PRO1873	AF119859.1	1	0.01%	5	0.03%	0	0.00%	0	0.00%	6
672	CMP-N-acetylneuraminic acid hydroxylase	AF074480.1	0	0.00%	1	0.01%	3	0.02%	2	0.01%	6
673	somatic cytochrome c (HCS) gene	M22877.1	0	0.00%	1	0.01%	1	0.01%	4	0.03%	6
674	chaperonin containing T-complex subunit 6 (CC	NM_001762.1	2	0.01%	2	0.01%	0	0.00%	2	0.01%	6
675	C2H2 zinc finger protein (ZNF189)	AF025772.1	0	0.00%	0	0.00%	3	0.02%	3	0.02%	6
676	homeobox protein CDX4 (CDX4) gene	AF003530.1	0	0.00%	3	0.02%	1	0.01%	2	0.01%	6
677	immunoglobulin light chain	D87000	2	0.01%	0	0.00%	3	0.02%	1	0.01%	6
678	antioxidant protein 1 (AOP1) (=peroxiredoxin 3	(NM_006793.1	0	0.00%	1	0.01%	0	0.00%	5	0.04%	6
679	lysosomal-associated membrane glycoprotein-1	L08582	1	0.01%	1	0.01%	3	0.02%	1	0.01%	6
680	glutaredoxin	X76648.1	0	0.00%	1	0.01%	2	0.02%	3	0.02%	6
681	comichon protein	AF070654.1	1	0.01%	1	0.01%	3	0.02%	1	0.01%	6
682	dermatopontin	Z22865	0	0.00%	2	0.01%	2	0.02%	2	0.01%	6
683	myosin, light polypeptide 1, alkali; skeletal, fast	(NM_002475.1	2	0.01%	4	0.02%	0	0.00%	0	0.00%	6
684	CD36 antigen	L06850.1	2	0.01%	1	0.01%	2	0.02%	1	0.01%	6
685	guanine nucleotide binding protein 11 (GNG11):	NM_004126.1	0	0.00%	3	0.02%	2	0.02%	1	0.01%	6
686	vascular endothelial growth factor (VEGF)	AF024710.1	3	0.02%	2	0.01%	0	0.00%	1	0.01%	6
687	integrin alpha 10 subunit (ITGA10)	AF112345.1	1	0.01%	4	0.02%	0	0.00%	1	0.01%	6
688	HIC protein	AF054589	0	0.00%	0	0.00%	2	0.02%	4	0.03%	6
689	KIAA0187 gene	NM_014753.1	0	0.00%	5	0.03%	0	0.00%	1	0.01%	6
690	KIAA0436	AB007896	2	0.01%	1	0.01%	2	0.02%	1	0.01%	6
691	KIAA0530	AB011102	1	0.01%	2	0.01%	1	0.01%	2	0.01%	6
692	KIAA0569	AB011141	0	0.00%	1	0.01%	2	0.02%	3	0.02%	6
693	KIAA0766	AB018309.1	1	0.01%	1	0.01%	2	0.02%	2	0.01%	6

694 KIAA0942 protein (KIAA0942)	NM_015310.1	0 0.00%	1 0.01%	2 0.02%	3 0.02%	6
695 Pcp-2=Purkinje cell protein 2	S40022	0 0.00%	0 0.00%	1 0.01%	5 0.04%	6
696 PRO1073	AF113016	0 0.00%	1 0.01%	5 0.04%	0 0.00%	6
697 PRO2640	AF116710.1	6 0.04%	0 0.00%	0 0.00%	0 0.00%	6
698 SON protein	AF193606	0 0.00%	0 0.00%	3 0.02%	3 0.02%	6
699 protein tyrosine phosphatase type IVA, member	NM_003479.1	0 0.00%	2 0.01%	0 0.00%	4 0.03%	6
700 low density lipoprotein receptor	L00352	2 0.01%	2 0.01%	2 0.02%	0 0.00%	6
701 ATP SYNTHASE GAMMA CHAIN, MITOCHON	spP36542	1 0.01%	0 0.00%	4 0.03%	1 0.01%	6
702 cytochrome c oxidase subunit VIII (COX8)	J04823	6 0.04%	0 0.00%	0 0.00%	0 0.00%	6
703 leucine aminopeptidase	AF061738	0 0.00%	2 0.01%	0 0.00%	4 0.03%	6
704 calpastatin	D50827	1 0.01%	0 0.00%	1 0.01%	4 0.03%	6
705 threonyl-tRNA synthetase (TARS)	NM_003191.1	0 0.00%	1 0.01%	0 0.00%	5 0.04%	6
706 ribosomal protein L33-like protein	AF047440	1 0.01%	2 0.01%	1 0.01%	2 0.01%	6
707 chaperonin containing TCP1 subunit 4 (delta) (C	NM_006430.1	2 0.01%	2 0.01%	1 0.01%	1 0.01%	6
708 Finkel-Biskis-Reilly murine sarcoma virus (FBR-I	NM_001997.1	5 0.04%	1 0.01%	0 0.00%	0 0.00%	6
709 Id-2H	D13891	1 0.01%	1 0.01%	2 0.02%	2 0.01%	6
710 shox gene	U82668	5 0.04%	1 0.01%	0 0.00%	0 0.00%	6
711 SOX4	AF124147.1	0 0.00%	3 0.02%	1 0.01%	2 0.01%	6
712 transCRiption factor (CBFB)	L20298	1 0.01%	1 0.01%	0 0.00%	4 0.03%	6
713 poly(rC)-binding protein 2 (PCBP2)	NM_005016.1	1 0.01%	5 0.03%	0 0.00%	0 0.00%	6
714 RNA-binding protein regulatory subunit	AF021819	3 0.02%	2 0.01%	0 0.00%	1 0.01%	6
715 Membrane cofactor protein	X59408.1	1 0.01%	3 0.02%	1 0.01%	1 0.01%	6
716 catalase	X04076	0 0.00%	1 0.01%	4 0.03%	1 0.01%	6
717 complement C1r	M14058	1 0.01%	0 0.00%	0 0.00%	5 0.04%	6
718 glutathione peroxidase 3 (plasma) (GPX3)	NM_002084.2	0 0.00%	6 0.03%	0 0.00%	0 0.00%	6
719 synaptophysin-like protein (SYPL)	gi5803184	1 0.01%	2 0.01%	0 0.00%	3 0.02%	6
720 CGI-07 protein	AF132941.1	0 0.00%	2 0.01%	2 0.02%	2 0.01%	6
721 CGI-148 protein	AF151906	0 0.00%	0 0.00%	2 0.02%	4 0.03%	6
722 filamin (FLNB)	AF191633.1	4 0.03%	1 0.01%	1 0.01%	0 0.00%	6
723 chondroadherin (CHAD)	U96769	4 0.03%	2 0.01%	0 0.00%	0 0.00%	6
724 nonmuscle myosin heavy chain-B (MYH10)	M69181	5 0.04%	0 0.00%	0 0.00%	1 0.01%	6
725 conserved gene amplified in osteosarcoma (OS	NM_005730.1	1 0.01%	2 0.01%	2 0.02%	1 0.01%	6
726 signal sequence receptor, gamma (translocon-a	NM_007107.1	1 0.01%	4 0.02%	0 0.00%	1 0.01%	6
727 okadaic acid-inducible and cAMP-regulated phos	AF084555.1	2 0.01%	0 0.00%	3 0.02%	1 0.01%	6
728 SH3 domain-containing protein SH3P18	U61167	2 0.01%	0 0.00%	3 0.02%	1 0.01%	6
729 transformer-2 alpha (htra-2 alpha)	U53209.1	3 0.02%	1 0.01%	0 0.00%	2 0.01%	6
730 cullin 4A (CUL4A)	AF077188.1	0 0.00%	1 0.01%	2 0.02%	3 0.02%	6
731 dendritic cell protein (GA17)= AF064603 GA17	NM_006360.1	0 0.00%	6 0.03%	0 0.00%	0 0.00%	6
732 voltage-dependent anion channel (VDAC1)	AF151097.1	0 0.00%	1 0.01%	2 0.02%	3 0.02%	6
733 bullous pemphigoid antigen (BPAG1)	L11690.1	0 0.00%	4 0.02%	2 0.02%	0 0.00%	6
734 IGSF4 gene	AB017563.1	0 0.00%	0 0.00%	1 0.01%	5 0.04%	6
735 exportin 1 (CRM1,yeast, homolog) (XPO1)(ORF	NM_003400.1	0 0.00%	1 0.01%	2 0.02%	3 0.02%	6
736 H3 histone, family 3B (H3.3B) (H3F3B)	NM_005324.1	4 0.03%	1 0.01%	1 0.01%	0 0.00%	6
737 Histone 4 family, member M (RefSeq aa 7e-53)	NP_003486.1	0 0.00%	6 0.03%	0 0.00%	0 0.00%	6
738 non-histone chromosome protein 2 (S. cerevisia	NM_005008.1	2 0.01%	3 0.02%	0 0.00%	1 0.01%	6
739 growth arrest specific transCRipt 5 gene	AF141346.1	2 0.01%	1 0.01%	1 0.01%	2 0.01%	6
740 SPHAR gene for cyclin-related protein	X82554.1	0 0.00%	2 0.01%	1 0.01%	3 0.02%	6
741 H-2K binding factor-2	D14041	0 0.00%	1 0.01%	1 0.01%	4 0.03%	6
742 KIAA0349 gene	AB002347.1	1 0.01%	3 0.02%	1 0.01%	1 0.01%	6
743 KIAA0885	AB020692.1	0 0.00%	2 0.01%	0 0.00%	4 0.03%	6
744 KIAA1025	AB028948.1	1 0.01%	1 0.01%	3 0.02%	1 0.01%	6
745 LGMD2B	AJ007973	1 0.01%	1 0.01%	3 0.02%	1 0.01%	6
746 6-phosphofructo-2-kinase/fructose-2,6-bisphospl	AF041832	4 0.03%	1 0.01%	0 0.00%	1 0.01%	6
747 protein phosphatase 1 catalytic subunit, beta iso	NM_002709.1	0 0.00%	3 0.02%	1 0.01%	2 0.01%	6
748 mitochondrial 16S rRNA	Z70759	2 0.01%	0 0.00%	1 0.01%	3 0.02%	6
749 mitochondrial coxII	X55654.1	3 0.02%	0 0.00%	2 0.02%	1 0.01%	6
750 glutaminase C	AF158555.1	0 0.00%	3 0.02%	1 0.01%	2 0.01%	6
751 DNA-binding protein A gene	L29073.1	1 0.01%	2 0.01%	1 0.01%	2 0.01%	6

752	general transcription factor 2-I (GTF2I)	AF038968	4	0.03%	2	0.01%	0	0.00%	0	0.00%	6
753	YME1 (S.cerevisiae)-like 1(YME1L1), = AJ1326	NM_014263.1	1	0.01%	2	0.01%	1	0.01%	2	0.01%	6
754	splicing factor, arginine/serine-rich (transformer)	NM_004593.1	2	0.01%	0	0.00%	0	0.00%	4	0.03%	6
755	LIM and SH3 protein 1 (LASP1) (=X82456 MLN	gi5453709	3	0.02%	0	0.00%	1	0.01%	2	0.01%	6
756	TGF-beta inducible early protein (TIEG)	U21847	1	0.01%	3	0.02%	0	0.00%	2	0.01%	6
757	pigment epithelium-derived factor (PEDF)	NM_002615.1	6	0.04%	0	0.00%	0	0.00%	0	0.00%	6
758	ARP2/3 protein complex subunit 34 (ARC34)	NM_005731.1	2	0.01%	1	0.01%	0	0.00%	3	0.02%	6
759	high mobility group 2 protein (HMG-2)	M83665	2	0.01%	1	0.01%	1	0.01%	2	0.01%	6
760	jumping translocation breakpoint (JTB) =AB0164	NM_006694.1	1	0.01%	2	0.01%	0	0.00%	3	0.02%	6
761	murine leukemia viral (bmi-1) oncogene homolog	NM_005180.1	0	0.00%	2	0.01%	1	0.01%	3	0.02%	6
762	13kDa differentiation-associated protein	AAF17196.1	0	0.00%	2	0.01%	0	0.00%	4	0.03%	6
763	hypothetical protein Nop10p (RefSeq aa 1e-33)	NP_061118.1	0	0.00%	6	0.03%	0	0.00%	0	0.00%	6
764	KIAA0103	D14659	1	0.01%	1	0.01%	0	0.00%	4	0.03%	6
765	p130 (130K protein)	X76061.1	0	0.00%	4	0.02%	1	0.01%	1	0.01%	6
766	S1R protein (S1R) (=CGI-119)	AF113127.1	0	0.00%	2	0.01%	1	0.01%	3	0.02%	6
767	ATP synthase, H transporting, mitochondrial F0	NM_005175.1	0	0.00%	3	0.02%	3	0.02%	0	0.00%	6
768	fragile X mental retardation 1 (FMR1)	NM_002024.1	1	0.01%	4	0.02%	1	0.01%	0	0.00%	6
769	nucleobindin 2 (NUCB2)(NEFA protein)	X76732	0	0.00%	1	0.01%	1	0.01%	4	0.03%	6
770	progesterone membrane binding protein (PMBP)	5453915	0	0.00%	1	0.01%	2	0.02%	3	0.02%	6
771	melanoma inhibitory	NM_006533.1	2	0.01%	4	0.02%	0	0.00%	0	0.00%	6
772	KIAA1250	AB033076.1	1	0.01%	0	0.00%	3	0.02%	2	0.01%	6
773	ORF2 [Canis familiaris](60%)	AB012223	0	0.00%	4	0.02%	1	0.01%	1	0.01%	6
774	POLR2K gene for RPB10 alpha	AJ252078.1	0	0.00%	3	0.02%	0	0.00%	3	0.02%	6
775	cytochrome C oxidase II subunit (ORF)	X55654	3	0.02%	0	0.00%	2	0.02%	1	0.01%	6
776	karyopherin (importin) beta 1 (KPNB1) (=L38951	gi4504904	3	0.02%	1	0.01%	1	0.01%	1	0.01%	6
777	CD59 antigen p18-20 (antigen identified by mon	NM_000611.1	1	0.01%	3	0.02%	0	0.00%	2	0.01%	6
778	CAR (RFP2)	AF279660	2	0.01%	0	0.00%	3	0.02%	1	0.01%	6
779	signal peptidase complex (18kD) (SPC18)	NM_014300.1	1	0.01%	3	0.02%	1	0.01%	1	0.01%	6
780	basic helix-loop-helix domain containing, class E	Hs.171825	1	0.01%	1	0.01%	1	0.01%	3	0.02%	6
781	5-aminoimidazole-4-carboxamide ribonucleotide	NM_004044.1	1	0.01%	0	0.00%	3	0.02%	2	0.01%	6
782	actin, alpha 2, smooth muscle, aorta (ACTA2) (C	NM_001613.1	0	0.00%	5	0.03%	0	0.00%	0	0.00%	5
783	NADH dehydrogenase(ubiquinone) 1 beta subcc	NM_002491.1	1	0.01%	0	0.00%	3	0.02%	1	0.01%	5
784	heterogeneous nuclear ribonucleoprotein (hnRN	X12671	3	0.02%	0	0.00%	0	0.00%	2	0.01%	5
785	eukaryotic translation initiation factor 3, subunit	gi4503508	1	0.01%	1	0.01%	1	0.01%	2	0.01%	5
786	adenylyl cyclase-associated protein (CAP)	L12168	0	0.00%	0	0.00%	3	0.02%	2	0.01%	5
787	tetrapeptide repeat domain 3 (TTC3)(= DCR	NM_003316.1	0	0.00%	4	0.02%	0	0.00%	1	0.01%	5
788	endothelial differentiation-related factor 1 (EDF1	NM_003792.1	3	0.02%	1	0.01%	0	0.00%	1	0.01%	5
789	ATP SYNTHASE A CHAIN (PROTEIN 6)(ORF)	P00846	3	0.02%	2	0.01%	0	0.00%	0	0.00%	5
790	NADH-ubiquinone oxidoreductase subunit C1-B1	AF047182	2	0.01%	0	0.00%	2	0.02%	1	0.01%	5
791	MHC class 1 region	AF055066	1	0.01%	2	0.01%	2	0.02%	0	0.00%	5
792	plastin 3 (T isoform) (PLS3)	NM_005032.2	1	0.01%	2	0.01%	2	0.02%	0	0.00%	5
793	hexosaminidase B (beta polypeptide) (HEXB)(O	NM_000521.1	0	0.00%	3	0.02%	1	0.01%	1	0.01%	5
794	breast cancer associated gene 1 protein (BCG1)	AF128528.1	5	0.04%	0	0.00%	0	0.00%	0	0.00%	5
795	ornithine decarboxylase antizyme	D87914	4	0.03%	1	0.01%	0	0.00%	0	0.00%	5
796	enterocyte differentiation associated factor EDAI	U62136.2	0	0.00%	0	0.00%	3	0.02%	2	0.01%	5
797	four and a half LIM domains 1 (FHL1)	NM_001449.1	0	0.00%	3	0.02%	1	0.01%	1	0.01%	5
798	translocase of outer mitochondrial membrane 20	NM_014765.1	2	0.01%	2	0.01%	0	0.00%	1	0.01%	5
799	mouse tropomyosin homolog (HSPC001) =AF04	NM_004872.1	2	0.01%	0	0.00%	2	0.02%	1	0.01%	5
800	DNA polymerase zeta catalytic subunit (REV3)	AF157476.1	0	0.00%	1	0.01%	2	0.02%	2	0.01%	5
801	eukaryotic initiation factor 4 gamma (eIF-4 gamn	D12686	3	0.02%	0	0.00%	0	0.00%	2	0.01%	5
802	eukaryotic translation initiation factor 4A, isoform	D13748	5	0.04%	0	0.00%	0	0.00%	0	0.00%	5
803	E6-AP ubiquitin-protein ligase (UBE3A)	AF009341.1	0	0.00%	0	0.00%	3	0.02%	2	0.01%	5
804	prolyl 4-hydroxylase beta-subunit and disulfide is	M22806.1	5	0.04%	0	0.00%	0	0.00%	0	0.00%	5
805	archain 1 (ARCN1)	gi4502194	1	0.01%	3	0.02%	0	0.00%	1	0.01%	5
806	protein kinase C inhibitor-I	U27143	1	0.01%	1	0.01%	1	0.01%	2	0.01%	5
807	serine/threonine kinase KPM	AF207547.1	2	0.01%	2	0.01%	1	0.01%	0	0.00%	5
808	fibroblast growth factor 2 (basic)(FGF2)	NM_002006.1	1	0.01%	2	0.01%	1	0.01%	1	0.01%	5
809	predicted osteoblast protein (GS3786), mRNA	NM_014888.1	0	0.00%	1	0.01%	1	0.01%	3	0.02%	5

810	HSPC204	AF151038.1	0	0.00%	0	0.00%	2	0.02%	3	0.02%	5
811	KIAA0579	AB011151.1	0	0.00%	1	0.01%	3	0.02%	1	0.01%	5
812	Rap1B	U07795	0	0.00%	0	0.00%	1	0.01%	4	0.03%	5
813	X (inactive)-specific transCRIPT (XIST)	M97168	0	0.00%	0	0.00%	1	0.01%	4	0.03%	5
814	alcohol dehydrogenase, class III (ADH5) chi sub1	M30471	2	0.01%	2	0.01%	1	0.01%	0	0.00%	5
815	diphosphoinositol polyphosphate phosphohydrol	AF191654.2	0	0.00%	2	0.01%	1	0.01%	2	0.01%	5
816	phosphatidic acid phosphatase 2a	AB000888	2	0.01%	2	0.01%	1	0.01%	0	0.00%	5
817	NADH dehydrogenase (ubiquinone) 1 beta subo	NM_005005.1	2	0.01%	0	0.00%	0	0.00%	3	0.02%	5
818	NADH dehydrogenase(ubiquinone) 1, alpha/beta	NM_005003.1	1	0.01%	2	0.01%	1	0.01%	1	0.01%	5
819	selenoprotein W (hSelW)	AF015283.1	1	0.01%	3	0.02%	1	0.01%	0	0.00%	5
820	fizzled (Drosophila) homolog 1 (FZD1)	NM_003505.1	1	0.01%	0	0.00%	1	0.01%	3	0.02%	5
821	nuclear factor I/B (NFIB)	NM_005596.1	1	0.01%	3	0.02%	1	0.01%	0	0.00%	5
822	heterogeneous nuclear ribonucleoprotein M (HN	5174610	2	0.01%	3	0.02%	0	0.00%	0	0.00%	5
823	heterogeneous nuclear ribonucleoprotein R (OR	AF000364	1	0.01%	1	0.01%	2	0.02%	1	0.01%	5
824	nuclear protein (NP220)	NM_014497.1	1	0.01%	0	0.00%	0	0.00%	4	0.03%	5
825	T-cell receptor alpha delta locus	AE000659	2	0.01%	0	0.00%	3	0.02%	0	0.00%	5
826	translocase of inner mitochondrial membrane 17	NM_006335.1	0	0.00%	4	0.02%	1	0.01%	0	0.00%	5
827	miCRosomal glutathione S-transferase 3 (MGST	AF026977.1	0	0.00%	3	0.02%	0	0.00%	2	0.01%	5
828	copine III (CPNE3) (=AB014536 KIAA0636)	gi4503014	0	0.00%	2	0.01%	1	0.01%	2	0.01%	5
829	Golgi apparatus protein 1 (GLG1)	NM_012201.1	2	0.01%	3	0.02%	0	0.00%	0	0.00%	5
830	destrin (actin depolymerizing factor) (ADF)	5802965	2	0.01%	0	0.00%	2	0.02%	1	0.01%	5
831	growth arrest and DNA-damage-inducible, alpha	NM_001924.1	1	0.01%	1	0.01%	0	0.00%	3	0.02%	5
832	ST4 oncofetal trophoblast glycoprotein (ST4)	NM_006670.1	0	0.00%	3	0.02%	1	0.01%	1	0.01%	5
833	Autosomal Highly Conserved Protein (AHCP) (=I	NM_016255.1	0	0.00%	3	0.02%	1	0.01%	1	0.01%	5
834	Diff33 protein homolog	AF164794.1	1	0.01%	0	0.00%	1	0.01%	3	0.02%	5
835	G8 protein (G8)	NM_016947.1	3	0.02%	1	0.01%	0	0.00%	1	0.01%	5
836	HSPC067	AF161552.1	0	0.00%	0	0.00%	4	0.03%	1	0.01%	5
837	HSPC316	AF161434.1	0	0.00%	5	0.03%	0	0.00%	0	0.00%	5
838	HSPC034 protein	AF100747.1	0	0.00%	0	0.00%	2	0.02%	3	0.02%	5
839	KIAA0077 gene	D38521.1	1	0.01%	1	0.01%	1	0.01%	2	0.01%	5
840	KIAA0107	D14663	3	0.02%	1	0.01%	0	0.00%	1	0.01%	5
841	KIAA0127	NM_014755.1	0	0.00%	2	0.01%	2	0.02%	1	0.01%	5
842	KIAA0174	D79996	1	0.01%	3	0.02%	1	0.01%	0	0.00%	5
843	KIAA0244 gene	D87685	1	0.01%	0	0.00%	1	0.01%	3	0.02%	5
844	KIAA0265	D87454	2	0.01%	0	0.00%	3	0.02%	0	0.00%	5
845	KIAA0308	AB002306	0	0.00%	2	0.01%	3	0.02%	0	0.00%	5
846	KIAA0325 gene	AB002323.1	3	0.02%	1	0.01%	0	0.00%	1	0.01%	5
847	KIAA0382	AB002380	0	0.00%	1	0.01%	2	0.02%	2	0.01%	5
848	KIAA0577	AB011149	0	0.00%	2	0.01%	2	0.02%	1	0.01%	5
849	KIAA0670 protein/acinusL (no-exact match 42%	NP_055792.1	2	0.01%	2	0.01%	0	0.00%	1	0.01%	5
850	KIAA0680 gene product (KIAA0680)	NM_014721.1	0	0.00%	2	0.01%	1	0.01%	2	0.01%	5
851	KIAA0853	AB020660.1	0	0.00%	3	0.02%	1	0.01%	1	0.01%	5
852	KIAA0977	AB023194.1	0	0.00%	1	0.01%	3	0.02%	1	0.01%	5
853	KIAA1013	AB023230.1	0	0.00%	3	0.02%	1	0.01%	2	0.01%	5
854	KIAA1053	AB028976.1	1	0.01%	0	0.00%	2	0.02%	2	0.01%	5
855	meningioma-expressed antigen 5 (MEAS) (=KIA	AF036145	0	0.00%	3	0.02%	1	0.01%	1	0.01%	5
856	myeloid leukemia factor 2 (MLF2)	NM_005439.1	4	0.03%	1	0.01%	0	0.00%	0	0.00%	5
857	NY-REN-45 antigen (LOC51133)	NM_016121.1	0	0.00%	1	0.01%	2	0.02%	2	0.01%	5
858	PEG1/MEST	D87367.1	5	0.04%	0	0.00%	0	0.00%	0	0.00%	5
859	PRO2605	AF116709.1	4	0.03%	1	0.01%	0	0.00%	0	0.00%	5
860	PRO2751	AF119896.1	1	0.01%	0	0.00%	1	0.01%	3	0.02%	5
861	PTH-responsive osteosarcoma D1 protein	AAD25980.1	0	0.00%	2	0.01%	2	0.02%	1	0.01%	5
862	seCReted protein of unknown function (SPUF)	AF173937.1	0	0.00%	2	0.01%	1	0.01%	2	0.01%	5
863	steroid sensitive gene-1 protein (SSG-1)	AF223677.1	1	0.01%	2	0.01%	0	0.00%	2	0.01%	5
864	uncoupling protein 2 (ucp2 gene homologue)	AJ243250.1	5	0.04%	0	0.00%	0	0.00%	0	0.00%	5
865	X-linked anhidrotic ectodermal dysplasia protein	AF003528.1	1	0.01%	4	0.02%	0	0.00%	0	0.00%	5
866	S100 calcium-binding protein A13 (S100A13)	NM_005979.1	3	0.02%	2	0.01%	0	0.00%	0	0.00%	5
867	pyruvate dehydrogenase (lipoamide) alpha 1 (P	NM_000284.1	2	0.01%	1	0.01%	2	0.02%	0	0.00%	5

868	protein x 0001	AF117230	0	0.00%	1	0.01%	1	0.01%	3	0.02%	5
869	PTEN (PTEN) gene	AF143312.1	0	0.00%	3	0.02%	1	0.01%	1	0.01%	5
870	lipoprotein lipase (LPL)	NM_000237.1	0	0.00%	1	0.01%	4	0.03%	0	0.00%	5
871	CYTOCHROME C OXIDASE POLYPEPTIDE III P00414		1	0.01%	1	0.01%	1	0.01%	2	0.01%	5
872	NADH dehydrogenase subunit 1(RefSeq aa 2e-7 gi5835388		0	0.00%	5	0.03%	0	0.00%	0	0.00%	5
873	NADH-UBIQUINONE OXIDOREDUCTASE CHA P03905		1	0.01%	2	0.01%	0	0.00%	2	0.01%	5
874	NADH-UBIQUINONE OXIDOREDUCTASE MLF sp000483		0	0.00%	0	0.00%	1	0.01%	4	0.03%	5
875	dihydrofolate reductase (DHFR)	NM_000791.2	0	0.00%	1	0.01%	1	0.01%	3	0.02%	5
876	aspartyl-tRNA synthetase (DARS)	NM_001349.1	2	0.01%	2	0.01%	0	0.00%	1	0.01%	5
877	mitochondrial serine hydroxymethyltransferase c	U23143.1	3	0.02%	0	0.00%	0	0.00%	2	0.01%	5
878	cystatin B	U46692	2	0.01%	2	0.01%	0	0.00%	1	0.01%	5
879	PROS-27	X59417	1	0.01%	2	0.01%	0	0.00%	2	0.01%	5
880	sorting nexin 3 (SNX3)	AF034546	1	0.01%	0	0.00%	1	0.01%	3	0.02%	5
881	AKAP450 protein	AJ131693.1	0	0.00%	0	0.00%	3	0.02%	2	0.01%	5
882	farnesyl-protein transferase alpha-subunit	L00634	1	0.01%	1	0.01%	1	0.01%	2	0.01%	5
883	prolylcarboxypeptidase (angiotensinase C) (PRC NM_005040.1		1	0.01%	2	0.01%	1	0.01%	1	0.01%	5
884	sequestosome 1 (SQSTM1) (=U46751.1 phosph NM_003900.1		2	0.01%	0	0.00%	1	0.01%	2	0.01%	5
885	GLI-Kruppel family member GLI3 (Greig cephalic gi4504014		1	0.01%	2	0.01%	1	0.01%	1	0.01%	5
886	TATA element modulatory factor	L01042.1	0	0.00%	0	0.00%	2	0.02%	3	0.02%	5
887	two-handed zinc finger protein ZEB	U19969	0	0.00%	1	0.01%	1	0.01%	3	0.02%	5
888	XAGL protein	Y15906.1	0	0.00%	0	0.00%	1	0.01%	4	0.03%	5
889	zinc finger protein 262 (ZNF262) (=AB007885 Ki gi4827068		4	0.03%	0	0.00%	1	0.01%	0	0.00%	5
890	zinc finger protein 84 (HPF2) (ZNF84)	NM_003428.1	1	0.01%	2	0.01%	1	0.01%	1	0.01%	5
891	heterogeneous nuclear ribonucleoprotein H1 (H) NM_005520.1		1	0.01%	3	0.02%	1	0.01%	0	0.00%	5
892	Polyadenylate binding protein	U75686.1	1	0.01%	1	0.01%	2	0.02%	1	0.01%	5
893	spliceosomal protein SAP 155	AF054284	3	0.02%	0	0.00%	2	0.02%	0	0.00%	5
894	splicing factor (CC1.4)	L10911.1	1	0.01%	0	0.00%	2	0.02%	2	0.01%	5
895	Splicing factor proline/glutamine rich (polypyrimidin NM_005066.1		1	0.01%	1	0.01%	1	0.01%	2	0.01%	5
896	RNA polymerase II subunit hSRPB7	U20659.1	2	0.01%	0	0.00%	1	0.01%	1	0.01%	5
897	lymphocyte activation-associated protein	AF123320.1	0	0.00%	2	0.01%	2	0.02%	1	0.01%	5
898	heat shock 60kD protein 1 (chaperonin) (HSPD1 NM_002156.1		0	0.00%	3	0.02%	0	0.00%	2	0.01%	5
899	lysosomal-associated membrane protein 2 (LAM NM_013995.1		0	0.00%	4	0.02%	0	0.00%	1	0.01%	5
900	beta-COP	X82103	1	0.01%	0	0.00%	1	0.01%	3	0.02%	5
901	RAD23 (S. cerevisiae) homolog B (RAD23B)	NM_002874.1	0	0.00%	1	0.01%	1	0.01%	3	0.02%	5
902	t-complex polypeptide 1	X52882	1	0.01%	0	0.00%	2	0.02%	2	0.01%	5
903	xeroderma pigmentosum group E UV-damaged IU32986.1		3	0.02%	1	0.01%	0	0.00%	1	0.01%	5
904	CGI-121 protein (LOC51002)	NM_016058.1	0	0.00%	0	0.00%	2	0.02%	3	0.02%	5
905	restin (Reed-Steinberg cell-expressed intermediat NM_002956.1		0	0.00%	1	0.01%	2	0.02%	2	0.01%	5
906	sarcoglycan, beta (43kD dystrophin-associated c NM_000232.1		2	0.01%	1	0.01%	2	0.02%	0	0.00%	5
907	Actinin-alpha	X55187.1	0	0.00%	0	0.00%	0	0.00%	5	0.04%	5
908	cytoplasmic beta-actin	M10277	2	0.01%	2	0.01%	0	0.00%	1	0.01%	5
909	MEMA protein	Y09703.1	0	0.00%	3	0.02%	0	0.00%	2	0.01%	5
910	moesin (MSN)	NM_002444.1	2	0.01%	3	0.02%	0	0.00%	0	0.00%	5
911	tubulin-specific chaperone a (TBCA) (=AF03895 gi4759211		2	0.01%	1	0.01%	1	0.01%	1	0.01%	5
912	myosin class I, myh-1c	AJ001382	1	0.01%	1	0.01%	0	0.00%	3	0.02%	5
913	oligodendrocyte myelin glycoprotein (OMG)	L05367	1	0.01%	0	0.00%	1	0.01%	3	0.02%	5
914	activin A receptor, type I (ACVR1) =Z22534 ALK NM_001105.1		1	0.01%	1	0.01%	1	0.01%	2	0.01%	5
915	CD81 antigen (target of antiproliferative antibody NM_004356.1		5	0.04%	0	0.00%	0	0.00%	0	0.00%	5
916	CDA14 (RefSeq aa 2e-31)	NP_057654.1	0	0.00%	4	0.02%	0	0.00%	1	0.01%	5
917	mannose 6-phosphate receptor, 46 kD (MPR46) X56257		1	0.01%	0	0.00%	2	0.02%	2	0.01%	5
918	secreted frizzled-related protein 1 (SFRP1)	NM_003012.2	1	0.01%	4	0.02%	0	0.00%	0	0.00%	5
919	calcineurin A2	M29551	2	0.01%	0	0.00%	2	0.02%	1	0.01%	5
920	activin beta-A subunit (=cDNA FLJ11041 fis, clc X57580.1		0	0.00%	0	0.00%	2	0.02%	3	0.02%	5
921	insuline-like growth factor II receptor	Y00285	4	0.03%	0	0.00%	1	0.01%	0	0.00%	5
922	calcium modulating cyclophilin ligand CAMLG (CAF068179.1		1	0.01%	3	0.02%	1	0.01%	0	0.00%	5
923	polycystic kidney disease 2 (autosomal dominant NM_000297.1		0	0.00%	3	0.02%	1	0.01%	1	0.01%	5
924	Thy-1 glycoprotein	M11749	5	0.04%	0	0.00%	0	0.00%	0	0.00%	5
925	histone (H2A.Z)	M37583	0	0.00%	0	0.00%	0	0.00%	5	0.04%	5

926 histone H4	X67081	0	0.00%	0	0.00%	0	0.00%	5	0.04%	5
927 M-phase phosphoprotein homologue	AF100742.1	0	0.00%	2	0.01%	1	0.01%	2	0.01%	5
928 cell division cycle 27 (CDC27)	NM_001256.1	0	0.00%	4	0.02%	1	0.01%	0	0.00%	5
929 GTP-binding protein (RAB1)	M28209	0	0.00%	1	0.01%	0	0.00%	4	0.03%	5
930 prefoldin 4 (PFDN4)	gi4505740	1	0.01%	0	0.00%	0	0.00%	4	0.03%	5
931 replication factor C (activator 1) 1 (145kD) (RFC)	NM_002913.1	3	0.02%	1	0.01%	0	0.00%	1	0.01%	5
932 replication protein A3 (14kD) (RPA3)	NM_002947.1	0	0.00%	1	0.01%	2	0.02%	2	0.01%	5
933 anaphase promoting complex subunit 10	AF132794.1	0	0.00%	1	0.01%	2	0.02%	2	0.01%	5
934 KIAA0075	D38550.1	0	0.00%	3	0.02%	0	0.00%	2	0.01%	5
935 KIAA0336 gene	NM_014635.1	0	0.00%	2	0.01%	1	0.01%	2	0.01%	5
936 KIAA0527	AB011099.1	1	0.01%	3	0.02%	0	0.00%	1	0.01%	5
937 KIAA0573	AB011145	0	0.00%	1	0.01%	3	0.02%	1	0.01%	5
938 KIAA0610	AB011182	0	0.00%	2	0.01%	2	0.02%	1	0.01%	5
939 KIAA0810	AB018353.1	2	0.01%	1	0.01%	2	0.02%	0	0.00%	5
940 KIAA1073	AB028996.1	1	0.01%	0	0.00%	1	0.01%	3	0.02%	5
941 PTD011	AF078864	0	0.00%	1	0.01%	1	0.01%	3	0.02%	5
942 retrovirus-related hypothetical protein II (=X5223 S23650		1	0.01%	3	0.02%	0	0.00%	1	0.01%	5
943 SRY (sex-determining region Y)-box 5 (SOX5)	NM_006940.1	0	0.00%	2	0.01%	2	0.02%	1	0.01%	5
944 YEA1 (YY1 and E4TF1 associated factor 1)	AB029551.1	2	0.01%	2	0.01%	1	0.01%	0	0.00%	5
945 glucan (1,4-alpha-), branching enzyme 1(ORF)(c	NM_000158.1	0	0.00%	2	0.01%	2	0.02%	1	0.01%	5
946 hexokinase 1 (HK1) (=AF016365;X66957)	M75126	3	0.02%	1	0.01%	1	0.01%	0	0.00%	5
947 fatty acid binding protein 5 (psoriasis-associated	NM_001444.1	2	0.01%	1	0.01%	2	0.02%	0	0.00%	5
948 oxysterol-binding protein	AB017026	1	0.01%	2	0.01%	1	0.01%	1	0.01%	5
949 ubiquinol-cytochrome c reductase core protein II	NM_003366.1	2	0.01%	1	0.01%	1	0.01%	1	0.01%	5
950 amino acid transporter system A (ATA2) (=AB03 AF249673.1		0	0.00%	3	0.02%	2	0.02%	0	0.00%	5
951 Arginine-rich protein (ARP)	NM_006010.1	1	0.01%	0	0.00%	1	0.01%	3	0.02%	5
952 translation initiation factor (=D21853 hypotheticala	X79538	1	0.01%	2	0.01%	0	0.00%	2	0.01%	5
953 proteasome (prosome macropain) beta type, 4 (I	NM_002796.1	1	0.01%	4	0.02%	0	0.00%	1	0.01%	5
954 proteasome (prosome, macropain) 26Ssubunit, /	NP_002794.1	0	0.00%	5	0.03%	0	0.00%	0	0.00%	5
955 PEX10 peroxisome biogenesis factor (peroxin) 1	AB013818.1	5	0.04%	0	0.00%	0	0.00%	0	0.00%	5
956 DNA-dependent protein kinase catalytic subunit	U47077.3	3	0.02%	1	0.01%	1	0.01%	0	0.00%	5
957 putative translation initiation factor(RefSeq aa 4e	NP_005792.1	0	0.00%	5	0.03%	0	0.00%	0	0.00%	5
958 transCRiption factor forkhead-like 7 (FKHL7) ger	AF048693.1	0	0.00%	3	0.02%	0	0.00%	2	0.01%	5
959 polyadenylate binding protein-interacting protein	NM_006451.1	0	0.00%	1	0.01%	3	0.02%	1	0.01%	5
960 protein-L-isoaspartate (D-aspartate) O-methyltra	NM_005389.1	0	0.00%	0	0.00%	3	0.02%	2	0.01%	5
961 CGI-130 protein	AF151888.1	0	0.00%	2	0.01%	1	0.01%	2	0.01%	5
962 endocytic receptor (macrophage mannose rece	NM_006039.1	5	0.04%	0	0.00%	0	0.00%	0	0.00%	5
963 glucocorticoid receptor AF-1 specific elongation	AF174496.1	3	0.02%	2	0.01%	0	0.00%	0	0.00%	5
964 thrombospondin 3 (THBS3) (RefSeq aa 3e-59)	NP_009043.1	1	0.01%	4	0.02%	0	0.00%	0	0.00%	5
965 cyclin G2	U47414	0	0.00%	1	0.01%	1	0.01%	3	0.02%	5
966 nucleolar phosphoprotein p130 (P130)	NM_004741.1	2	0.01%	3	0.02%	0	0.00%	0	0.00%	5
967 polymerase (RNA) II polypeptide G (POLR2G)	NM_002696.1	1	0.01%	3	0.02%	0	0.00%	1	0.01%	5
968 KIAA0433 (ORF)	AB007893	0	0.00%	3	0.02%	0	0.00%	2	0.01%	5
969 KIAA0729	AB018272.1	0	0.00%	1	0.01%	2	0.02%	2	0.01%	5
970 KIAA1038	AB028961	0	0.00%	0	0.00%	1	0.01%	4	0.03%	5
971 KIAA1058 protein	AB028981.1	1	0.01%	1	0.01%	1	0.01%	2	0.01%	5
972 lipoma preferred partner (LPP)gene, exon 11, an	U49968.1	0	0.00%	2	0.01%	3	0.02%	0	0.00%	5
973 prostate cancer tumor suppressor (N33)	NM_006765.1	1	0.01%	2	0.01%	0	0.00%	2	0.01%	5
974 protein S alpha gene (PROS1)	M36564	0	0.00%	2	0.01%	3	0.02%	0	0.00%	5
975 NADH-UBIQUINONE OXIDOREDUCTASE CHA	spP03901	0	0.00%	3	0.02%	1	0.01%	1	0.01%	5
976 ribosomal protein L36 60S	AF077043	5	0.04%	0	0.00%	0	0.00%	0	0.00%	5
977 peptidylprolyl isomerase A (cyclophilin A) (PPIA)	Hs.342389	1	0.01%	3	0.02%	0	0.00%	1	0.01%	5
978 calpobindin II= ANNEXIN VI	D00510.1	5	0.04%	0	0.00%	0	0.00%	0	0.00%	5
979 thioredoxin peroxidase (antioxidant enzyme) (AC	NM_006406.1	3	0.02%	0	0.00%	1	0.01%	1	0.01%	5
980 cytoskeletal tropomyosin TM30(nm)	X04588.1	1	0.01%	2	0.01%	1	0.01%	1	0.01%	5
981 LIV-1 protein, estrogen regulated (LIV-1) (=U410	7106340	0	0.00%	2	0.01%	1	0.01%	2	0.01%	5
982 dehydrogenase subunit 4 (RefSeq aa 3e-34)	gi5835397	0	0.00%	5	0.03%	0	0.00%	0	0.00%	5
983 phosphoglycerate mutase 1 (brain) (PGAM1), ml	Hs.181013	2	0.01%	1	0.01%	0	0.00%	2	0.01%	5

984 ribosomal RNA 16S gene	AF036006.1	0	0.00%	0	0.00%	4	0.03%	1	0.01%	5
985 Zn-15 transcription factor (Zfp-15) (=AB011102 AF017806		2	0.01%	2	0.01%	1	0.01%	0	0.00%	5
986 tetraspan TM4SF(TSPAN-6)	AF053453	1	0.01%	1	0.01%	0	0.00%	3	0.02%	5
987 CGI-119 protein (LOC51643), mRNA /cds=(0,77 Hs.283670		0	0.00%	2	0.01%	0	0.00%	3	0.02%	5
988 laminin, gamma 1 (formerly LAMB2) (LAMC1),	NM_002293.2	1	0.01%	4	0.02%	0	0.00%	0	0.00%	5
989 Rosenthal fiber protein (alpha-B-Crystallin)	M24906	1	0.01%	1	0.01%	1	0.01%	2	0.01%	5
990 BPTF mRNA for bromodomain PHD finger trans	AB032251.1	0	0.00%	2	0.01%	1	0.01%	2	0.01%	5
991 nucleosome assembly protein 1-like 1 (NAP1L1) XM_047969.1		3	0.02%	1	0.01%	1	0.01%	0	0.00%	5
992 alpha subunit of GsGTP binding protein (GSA)	X56009	1	0.01%	0	0.00%	1	0.01%	2	0.01%	4
993 ring finger protein 4 (RNF4)	gi4506560	1	0.01%	1	0.01%	1	0.01%	1	0.01%	4
994 small nuclear ribonucleoprotein polypeptide E (SNM_003094.1		0	0.00%	1	0.01%	0	0.00%	3	0.02%	4
995 ATP synthase, H transporting, mitochondrial F0	NM_001688.1	3	0.02%	0	0.00%	0	0.00%	1	0.01%	4
996 capping protein (actin filament) muscle Z-line, al	NM_006136.1	1	0.01%	2	0.01%	1	0.01%	0	0.00%	4
997 TSE1=protein kinase A regulatory subunit	S54711	0	0.00%	2	0.01%	1	0.01%	1	0.01%	4
998 proteasome (prosome, macropain) subunit, bet	NM_002795.1	1	0.01%	0	0.00%	1	0.01%	2	0.01%	4
999 Hmob33 protein	Y14155.1	0	0.00%	0	0.00%	1	0.01%	3	0.02%	4
1000 transmembrane 9 superfamily member 2 (TM9SINM_004800.1		1	0.01%	0	0.00%	3	0.02%	0	0.00%	4
1001 procollagen C-proteinase enhancer protein, type	AB008549	3	0.02%	0	0.00%	1	0.01%	0	0.00%	4
1002 differentiated embryo chondrocyte expressed ge	AB004066	1	0.01%	0	0.00%	3	0.02%	0	0.00%	4
1003 trinucleotide repeat containing 3 (TNRC3)	NM_005878.1	0	0.00%	1	0.01%	0	0.00%	3	0.02%	4
1004 MHC class I (HLA-A)	U59701	3	0.02%	1	0.01%	0	0.00%	0	0.00%	4
1005 glutathione S-transferase M3 (brain) (GSTM3)	NM_000849.1	0	0.00%	2	0.01%	0	0.00%	2	0.01%	4
1006 muscle specific gene M9 (=PTD001)	BAA76626.1	0	0.00%	3	0.02%	0	0.00%	1	0.01%	4
1007 platelet-derived growth factor receptor-like (PDG	NM_006207.1	0	0.00%	2	0.01%	0	0.00%	2	0.01%	4
1008 COBW-like placental protein	AF065414	0	0.00%	0	0.00%	0	0.00%	4	0.03%	4
1009 SUMO-1-specific protease (KIAA0797)	NM_015571.1	0	0.00%	2	0.01%	1	0.01%	1	0.01%	4
1010 p58/GTA (galactosyltransferase associated prot	M37712.1	0	0.00%	1	0.01%	2	0.02%	1	0.01%	4
1011 lysophospholipase I (LYPLA1)	NM_006330.1	0	0.00%	0	0.00%	2	0.02%	2	0.01%	4
1012 proteasome (prosome, macropain) subunit, beta	NM_002799.1	2	0.01%	2	0.01%	0	0.00%	0	0.00%	4
1013 chaperonin containing TCP1, subunit 8 (theta) (C	NM_006585.1	1	0.01%	2	0.01%	1	0.01%	0	0.00%	4
1014 Sec23 (S. cerevisiae) homolog A (RefSeq aa 5e	NP_006355.1	0	0.00%	2	0.01%	2	0.02%	0	0.00%	4
1015 Translocon associated protein gamma subunit	spQ9UNL2	0	0.00%	0	0.00%	3	0.02%	1	0.01%	4
1016 nuclear factor (erythroid-derived 2)-like 2 (NFE2l	gi5453775	1	0.01%	1	0.01%	0	0.00%	2	0.01%	4
1017 RAP1A, member of RAS oncogene family (RAP	NM_002884.1	0	0.00%	2	0.01%	0	0.00%	2	0.01%	4
1018 RNaseP protein p30 (RPP30)	U77665	0	0.00%	0	0.00%	0	0.00%	4	0.03%	4
1019 glutathione S-transferase P1c (GSTp1c)	U62589.1	4	0.03%	0	0.00%	0	0.00%	0	0.00%	4
1020 collagen type XV alpha 1 (COL15A1)	L25280	4	0.03%	0	0.00%	0	0.00%	0	0.00%	4
1021 myosin-binding protein C, cardiac (MYBPC3)	NM_000256.1	1	0.01%	1	0.01%	1	0.01%	1	0.01%	4
1022 secreted frizzled-related protein 4 (SFRP4)	NM_003014.2	0	0.00%	0	0.00%	3	0.02%	1	0.01%	4
1023 IQ motif containing GTPase activating protein 1	NM_003870.1	1	0.01%	1	0.01%	0	0.00%	2	0.01%	4
1024 cadherin 13, H-cadherin (heart) (CDH13)	NM_001257.1	0	0.00%	2	0.01%	2	0.02%	0	0.00%	4
1025 Death associated protein 3 (DAP3)	NM_004632.1	0	0.00%	4	0.02%	0	0.00%	0	0.00%	4
1026 enhancer of polycomb (Epc1)	AF079765	2	0.01%	1	0.01%	1	0.01%	0	0.00%	4
1027 mesenchyme homeo box 2 (growth arrest-speci	NM_005924.1	0	0.00%	1	0.01%	2	0.02%	1	0.01%	4
1028 nucleolar autoantigen	NM_006455.1	4	0.03%	0	0.00%	0	0.00%	0	0.00%	4
1029 ADP/ATP carrier protein (ANT-2) gene	L78810.1	1	0.01%	0	0.00%	3	0.02%	0	0.00%	4
1030 S100 calcium-binding protein, beta (neural) (S10	NM_006272.1	1	0.01%	3	0.02%	0	0.00%	0	0.00%	4
1031 3-phosphoglycerate dehydrogenase (PGAD)	NM_006623.1	4	0.03%	0	0.00%	0	0.00%	0	0.00%	4
1032 phosphoinositol 3-phosphate binding protein-1 (I	NM_020904.1	0	0.00%	4	0.02%	0	0.00%	0	0.00%	4
1033 Dimethyladenosine transferase (HSA9761)	NM_014473.1	1	0.01%	0	0.00%	0	0.00%	3	0.02%	4
1034 fatty-acid-Coenzyme A ligase, long-chain 4 (FAC	NM_004458.1	0	0.00%	3	0.02%	0	0.00%	1	0.01%	4
1035 phosphatidic acid phosphatase 2b (PPAP2B)	AB000889	1	0.01%	3	0.02%	0	0.00%	0	0.00%	4
1036 ATP synthase, H transporting, mitochondrial F0	NM_004889.1	1	0.01%	1	0.01%	1	0.01%	1	0.01%	4
1037 cytochrome c oxidase subunit Vb (coxVb)	M19961	1	0.01%	1	0.01%	2	0.02%	0	0.00%	4
1038 methylenetetrahydrofolate dehydrogenase- met	J04031	3	0.02%	0	0.00%	1	0.01%	0	0.00%	4
1039 methyl-CpG binding domain protein 2 (MBD2), tr	gi7710146	1	0.01%	0	0.00%	0	0.00%	3	0.02%	4
1040 proteasome (prosome, macropain) subunit, alph	NM_002787.1	1	0.01%	0	0.00%	2	0.02%	1	0.01%	4
1041 hypoxia-inducible protein 2 (HIG2)	NM_013332.1	0	0.00%	4	0.02%	0	0.00%	0	0.00%	4

1042	CAAX box 1 (CXX1)	fl4503180	3	0.02%	0	0.00%	0	0.00%	1	0.01%	4
1043	forkhead box O1A (rhabdomyosarcoma) (FOXO NM_002015.1		0	0.00%	3	0.02%	1	0.01%	0	0.00%	4
1044	heterogeneous nuclear protein similar to rat helix NM_005758.1		0	0.00%	1	0.01%	1	0.01%	2	0.01%	4
1045	Golgi vesicular membrane trafficking protein p18gi5031610		0	0.00%	1	0.01%	1	0.01%	2	0.01%	4
1046	hect domain and RLD 2(HERC2) (=KIAA0393) NM_004667.2		1	0.01%	1	0.01%	1	0.01%	1	0.01%	4
1047	collagen type IV alpha (2) chain	X05610.1	4	0.03%	0	0.00%	0	0.00%	0	0.00%	4
1048	cofilin isoform 1	AF134802	0	0.00%	0	0.00%	2	0.02%	2	0.01%	4
1049	myosin IXA (MYO9A)	NM_006901.1	0	0.00%	3	0.02%	1	0.01%	0	0.00%	4
1050	fukutin	AB038490.1	0	0.00%	1	0.01%	1	0.01%	2	0.01%	4
1051	G protein-coupled receptor 64 (GPR64)	NM_005756.1	0	0.00%	1	0.01%	2	0.02%	1	0.01%	4
1052	germline T-cell receptor beta chain	U66061	1	0.01%	0	0.00%	2	0.02%	1	0.01%	4
1053	signal sequence receptor, alpha (translocon-ass NM_003144.2		0	0.00%	3	0.02%	0	0.00%	1	0.01%	4
1054	signal sequence receptor, beta (translocon-asso X74104		3	0.02%	1	0.01%	0	0.00%	0	0.00%	4
1055	SH3 domain binding glutamic acid-rich protein III NM_003022.1		0	0.00%	1	0.01%	2	0.02%	1	0.01%	4
1056	neuroendocrine-specific protein-like protein 1 (N:AF119297.1		0	0.00%	2	0.01%	2	0.02%	0	0.00%	4
1057	ARFGAP1 protein (ARFGAP1)	AF111847.1	0	0.00%	2	0.01%	0	0.00%	2	0.01%	4
1058	gelsolin, plasma (GSN)	X04412	2	0.01%	2	0.01%	0	0.00%	0	0.00%	4
1059	integrin cytoplasmic domain associated protein ( AF012023		1	0.01%	1	0.01%	1	0.01%	1	0.01%	4
1060	integrin, alpha E (antigen CD103, human mucos NM_002208.3		1	0.01%	2	0.01%	1	0.01%	0	0.00%	4
1061	acidic 82 kDa protein	U15552	0	0.00%	0	0.00%	0	0.00%	4	0.03%	4
1062	BUP	AF078848.1	0	0.00%	2	0.01%	1	0.01%	1	0.01%	4
1063	C9ORF3	AF043897.1	2	0.01%	2	0.01%	0	0.00%	0	0.00%	4
1064	chondrosarcoma-associated protein 2 (CSA2)	AF182645.1	1	0.01%	2	0.01%	0	0.00%	1	0.01%	4
1065	density regulated protein drp1	AF038554.1	1	0.01%	0	0.00%	0	0.00%	3	0.02%	4
1066	E2IG5	AF191020	0	0.00%	0	0.00%	0	0.00%	4	0.03%	4
1067	housekeeping (Q1Z 7F5) gene	M81806.1	1	0.01%	2	0.01%	0	0.00%	1	0.01%	4
1068	HSPC039 protein	AF125100.1	0	0.00%	0	0.00%	1	0.01%	3	0.02%	4
1069	HSPC139	AF161488.1	0	0.00%	1	0.01%	0	0.00%	3	0.02%	4
1070	HSPC213 (=HSPC327)	AAF36133.1	0	0.00%	0	0.00%	2	0.02%	2	0.01%	4
1071	KIAA0022	BAA03498.1	0	0.00%	2	0.01%	0	0.00%	2	0.01%	4
1072	KIAA0136	D50926.1	2	0.01%	1	0.01%	0	0.00%	1	0.01%	4
1073	KIAA0232	D86985.2	1	0.01%	0	0.00%	0	0.00%	3	0.02%	4
1074	KIAA0235	D87078	1	0.01%	1	0.01%	1	0.01%	1	0.01%	4
1075	KIAA0251	D87438	3	0.02%	1	0.01%	0	0.00%	0	0.00%	4
1076	KIAA0252	D87440	1	0.01%	1	0.01%	0	0.00%	2	0.01%	4
1077	KIAA0256	D87445	0	0.00%	1	0.01%	2	0.02%	1	0.01%	4
1078	KIAA0276	D87466	0	0.00%	1	0.01%	1	0.01%	2	0.01%	4
1079	KIAA0429	AB007889	0	0.00%	1	0.01%	3	0.02%	0	0.00%	4
1080	KIAA0477	AB007946.1	0	0.00%	3	0.02%	1	0.01%	0	0.00%	4
1081	KIAA0660	AB014560	3	0.02%	0	0.00%	1	0.01%	0	0.00%	4
1082	KIAA0671	AB014571.1	1	0.01%	2	0.01%	0	0.00%	1	0.01%	4
1083	KIAA0693	AB014593	1	0.01%	1	0.01%	0	0.00%	2	0.01%	4
1084	KIAA0971	AB023188.1	0	0.00%	2	0.01%	2	0.02%	0	0.00%	4
1085	KIAA1102	AB029025.1	0	0.00%	1	0.01%	2	0.02%	1	0.01%	4
1086	KIAA1354	AB037775	1	0.01%	3	0.02%	0	0.00%	0	0.00%	4
1087	KIAA1376 protein	AB037797.1	1	0.01%	2	0.01%	0	0.00%	1	0.01%	4
1088	KIAA1380 protein	AB037801.1	0	0.00%	1	0.01%	2	0.02%	1	0.01%	4
1089	KIAA1451 protein	AB040884	0	0.00%	0	0.00%	0	0.00%	4	0.03%	4
1090	mesenchymal stem cell protein DSC92 (LOC51 NM_016645.1		0	0.00%	3	0.02%	0	0.00%	1	0.01%	4
1091	nickel-specific induction protein (Cap43)	AF004162.1	1	0.01%	1	0.01%	0	0.00%	2	0.01%	4
1092	NifU-like protein (hNifU)	U47101	0	0.00%	2	0.01%	2	0.02%	0	0.00%	4
1093	Nuclear antigen Sp100 (SP100)	NM_003113.1	0	0.00%	0	0.00%	1	0.01%	3	0.02%	4
1094	PRO1608	AF119850.1	1	0.01%	1	0.01%	0	0.00%	2	0.01%	4
1095	PRO1828	AF116669.1	2	0.01%	0	0.00%	0	0.00%	2	0.01%	4
1096	promyelocytic leukemia cell	M11948	0	0.00%	1	0.01%	1	0.01%	2	0.01%	4
1097	squamous cell carcinoma antigen recognized by NM_013352.1		0	0.00%	2	0.01%	0	0.00%	2	0.01%	4
1098	STAT-induced STAT inhibitor-2	AF037989	0	0.00%	2	0.01%	0	0.00%	2	0.01%	4
1099	vesicle transport-related protein	AF110646.1	0	0.00%	1	0.01%	3	0.02%	0	0.00%	4



1100 phosphoglucosyltransferase 1 (PGM1)	M83088	0	0.00%	1	0.01%	1	0.01%	2	0.01%	4
1101 transaldolase	L19437.2	3	0.02%	0	0.00%	0	0.00%	1	0.01%	4
1102 nucleotide binding protein, estradiol-induced (E2 NM_014366.1		0	0.00%	1	0.01%	1	0.01%	2	0.01%	4
1103 PDNP1 gene (nucleotide pyrophosphatase)	AF110304.1	0	0.00%	2	0.01%	1	0.01%	1	0.01%	4
1104 phosphoribosyl pyrophosphate synthetase subunit D00860.1		1	0.01%	1	0.01%	1	0.01%	1	0.01%	4
1105 dihydrolipoamide dehydrogenase	J03620	1	0.01%	0	0.00%	0	0.00%	3	0.02%	4
1106 lecithin-cholesterol acyltransferase (LCAT)	X04981.1	3	0.02%	0	0.00%	1	0.01%	0	0.00%	4
1107 phosphatase 1, catalytic subunit, gamma isoform NM_002710.1		0	0.00%	0	0.00%	3	0.02%	1	0.01%	4
1108 phospholipid sCRamblase 1 PLSCR1)	AF098642	1	0.01%	1	0.01%	0	0.00%	2	0.01%	4
1109 serine palmitoyl transferase	AF111168.2	1	0.01%	2	0.01%	1	0.01%	0	0.00%	4
1110 cytochrome oxidase subunit I (COI) and subunit AF035429.1		1	0.01%	1	0.01%	0	0.00%	2	0.01%	4
1111 cytochrome-c oxidase subunit VIIaL precursor (C AF134406.1		0	0.00%	0	0.00%	1	0.01%	3	0.02%	4
1112 electron-transfer-flavoprotein, beta polypeptide (I X71129		4	0.03%	0	0.00%	0	0.00%	0	0.00%	4
1113 NADH-ubiquinone oxidoreductase B17	AF067167.1	1	0.01%	2	0.01%	0	0.00%	1	0.01%	4
1114 ubiquinol-cytochrome c reductase (6.4kD) subunit NM_006830.1		2	0.01%	1	0.01%	1	0.01%	0	0.00%	4
1115 acidic protein rich in leucines (SSP29)	NM_006401.1	2	0.01%	0	0.00%	0	0.00%	2	0.01%	4
1116 Lysyl tRNA Synthetase	D32053.1	1	0.01%	0	0.00%	1	0.01%	2	0.01%	4
1117 methionine aminopeptidase	U29607	0	0.00%	2	0.01%	0	0.00%	2	0.01%	4
1118 eIF4E-like cap-binding protein (4EHP) (=translat NM_004846.1		3	0.02%	1	0.01%	0	0.00%	0	0.00%	4
1119 proteasome-associated pad1 homologue (POH1 U86782		2	0.01%	1	0.01%	1	0.01%	0	0.00%	4
1120 wbsCR1 (WBSCR1)	AF045555.1	1	0.01%	1	0.01%	1	0.01%	1	0.01%	4
1121 basic transcription factor 3 (RefSeq aa 4e-39)	NP_001198.1	1	0.01%	2	0.01%	1	0.01%	0	0.00%	4
1122 isolate 5 12S ribosomal RNA gene	AF121220.1	0	0.00%	3	0.02%	1	0.01%	0	0.00%	4
1123 cathepsin F (CATSF)	AF071749	2	0.01%	1	0.01%	0	0.00%	1	0.01%	4
1124 metalloproteinase inhibitor TIMP-2	AF127803.1	0	0.00%	0	0.00%	1	0.01%	3	0.02%	4
1125 protease inhibitor 6 (placental thrombin inhibitor) NM_004568.1		0	0.00%	4	0.02%	0	0.00%	0	0.00%	4
1126 proteasome (prosome, macropain) subunit, alpha NM_002788.1		1	0.01%	1	0.01%	1	0.01%	1	0.01%	4
1127 proteasome subunit Y (=X61971 macropain subunit D29012		3	0.02%	0	0.00%	1	0.01%	0	0.00%	4
1128 protein activator of the interferon-induced protein AF072860		2	0.01%	0	0.00%	2	0.02%	0	0.00%	4
1129 peptidylprolyl isomerase F (cyclophilinF) (RefSeq NP_005720.1		0	0.00%	4	0.02%	0	0.00%	0	0.00%	4
1130 CCAAT/enhancer binding protein (C/EBP), delta 4885130		0	0.00%	3	0.02%	0	0.00%	1	0.01%	4
1131 CLP (CLPP)	L54057.1	1	0.01%	1	0.01%	1	0.01%	1	0.01%	4
1132 necdin	AB007828	2	0.01%	0	0.00%	0	0.00%	2	0.01%	4
1133 oxidoreductase UCPA (RefSeq aa 4e-82)	NP_064524.1	0	0.00%	4	0.02%	0	0.00%	0	0.00%	4
1134 ring finger protein (C3H2C3 type) 6 (RNF6)	NM_005977.1	0	0.00%	0	0.00%	3	0.02%	1	0.01%	4
1135 TPRC (=X97124 papillary renal cell carcinoma (I X99720		1	0.01%	0	0.00%	1	0.01%	2	0.01%	4
1136 trinucleotide repeat DNA binding protein p20-CG AF094481		0	0.00%	1	0.01%	0	0.00%	3	0.02%	4
1137 twist gene	Y10871.1	0	0.00%	2	0.01%	0	0.00%	2	0.01%	4
1138 Zinc finger protein expressed in cerebellum (KF1NM_005667.1		0	0.00%	2	0.01%	2	0.02%	0	0.00%	4
1139 glycyl-tRNA synthetase; glycine tRNA ligase (Ref NP_002038.1		1	0.01%	3	0.02%	0	0.00%	0	0.00%	4
1140 heterogeneous nuclear ribonucleoprotein H3 (2f NM_021644.1		0	0.00%	2	0.01%	0	0.00%	2	0.01%	4
1141 heterogenous nuclear RNA W16W	X17272	0	0.00%	0	0.00%	4	0.03%	0	0.00%	4
1142 nuclear matrix protein 55	U89867.1	0	0.00%	1	0.01%	1	0.01%	2	0.01%	4
1143 RNA binding motif protein 3 (RBM3) (=U28686)	5803136	1	0.01%	0	0.00%	1	0.01%	2	0.01%	4
1144 RNA binding motif protein 5 (RBM5)	AF091263.1	3	0.02%	1	0.01%	0	0.00%	0	0.00%	4
1145 snRNP protein B	X17567	3	0.02%	0	0.00%	0	0.00%	1	0.01%	4
1146 splicing factor 3b, subunit 2, 145kD (SF3B2)	NM_006842.1	2	0.01%	2	0.01%	0	0.00%	0	0.00%	4
1147 splicing factor, arginine/serine-rich 4 (SFRS4)	NM_005626.1	2	0.01%	2	0.01%	0	0.00%	0	0.00%	4
1148 U13 snRNA pseudogene U13.4B	X58062.1	0	0.00%	4	0.02%	0	0.00%	0	0.00%	4
1149 MIL1 protein (MIL1), nuclear gene encoding mitc NM_015367.1		0	0.00%	4	0.02%	0	0.00%	0	0.00%	4
1150 HLA class-I (HLA-A26) heavy chain	D32129.1	0	0.00%	4	0.02%	0	0.00%	0	0.00%	4
1151 antigen identified by monoclonal antibodies 12E: NM_002414.1		3	0.02%	0	0.00%	0	0.00%	1	0.01%	4
1152 DNAJ domain-containing protein MCJ (MCJ)	AF126743.1	0	0.00%	0	0.00%	1	0.01%	3	0.02%	4
1153 hepatocellular carcinoma-associated antigen 33 AF244137.1		2	0.01%	0	0.00%	0	0.00%	2	0.01%	4
1154 sperm antigen-36	AF187554.1	0	0.00%	0	0.00%	2	0.02%	2	0.01%	4
1155 Tax1 (human T-cell leukemia virus type I) bindin NM_006024.2		0	0.00%	2	0.01%	1	0.01%	1	0.01%	4
1156 isolate Liv chaperone protein HSP90 beta (HSP: AF275719.1		3	0.02%	1	0.01%	0	0.00%	0	0.00%	4
1157 membrane component, chromosome 11, surface NM_005898.1		2	0.01%	1	0.01%	0	0.00%	1	0.01%	4

1158 putative transmembrane protein E3-16	AF092128.1	0	0.00%	0	0.00%	3	0.02%	1	0.01%	4
1159 tetraspan TM4SF (TSPAN-2)	AF054839.1	0	0.00%	1	0.01%	0	0.00%	3	0.02%	4
1160 coagulation factor XIII, A1 polypeptide (F13A1)	NM_000129.1	1	0.01%	3	0.02%	0	0.00%	0	0.00%	4
1161 platelet-activating factor acetylhydrolase, isoform	4557740	1	0.01%	1	0.01%	1	0.01%	1	0.01%	4
1162 transferrin receptor (TFRC) gene	AF187320	0	0.00%	2	0.01%	1	0.01%	1	0.01%	4
1163 divalent cation tolerant protein CUTA (LOC51591)	7706243	0	0.00%	3	0.02%	0	0.00%	1	0.01%	4
1164 CGI-120 protein (LOC51644)	NM_016057.1	2	0.01%	2	0.01%	0	0.00%	0	0.00%	4
1165 CGI-127 protein	AF151885.1	0	0.00%	2	0.01%	1	0.01%	1	0.01%	4
1166 CGI-139 protein (=AF078858 PTD003)	AF151897.1	0	0.00%	1	0.01%	0	0.00%	3	0.02%	4
1167 CGI-31 protein (LOC51075),	NM_015959.1	1	0.01%	3	0.02%	0	0.00%	0	0.00%	4
1168 CGI-34 protein	AF132968.1	0	0.00%	1	0.01%	1	0.01%	2	0.01%	4
1169 CGI-39 protein	AF132973.1	4	0.03%	0	0.00%	0	0.00%	0	0.00%	4
1170 CGI-74 protein	AF151832.1	1	0.01%	2	0.01%	0	0.00%	1	0.01%	4
1171 echinoderm miCRotubule-associated protein hor	U97018	3	0.02%	1	0.01%	0	0.00%	0	0.00%	4
1172 pericentrin (Pcnt)	U05823	2	0.01%	0	0.00%	0	0.00%	2	0.01%	4
1173 MLL septin-like fusion protein MSF-A	AF189713.2	4	0.03%	0	0.00%	0	0.00%	0	0.00%	4
1174 nebulin (NEBL)	Y16241	0	0.00%	2	0.01%	2	0.02%	0	0.00%	4
1175 myosin light chain 2	NM_013292.1	4	0.03%	0	0.00%	0	0.00%	0	0.00%	4
1176 coxsackievirus and adenovirus receptor (CXADR)	AF200465.1	1	0.01%	2	0.01%	0	0.00%	1	0.01%	4
1177 discoidin domain receptor family, member 2 (DD)	NM_008182.1	0	0.00%	4	0.02%	0	0.00%	0	0.00%	4
1178 epidermal growth factor receptor, precursor	X00588	0	0.00%	0	0.00%	4	0.03%	0	0.00%	4
1179 insulin receptor	L07782	1	0.01%	2	0.01%	0	0.00%	1	0.01%	4
1180 leptin receptor (ORF)	U66496	1	0.01%	2	0.01%	1	0.01%	0	0.00%	4
1181 microvascular endothelial differentiation gene 1	AB026908.1	0	0.00%	2	0.01%	1	0.01%	1	0.01%	4
1182 vanilloid receptor; CARKL and CTNS; TIP1; P2X	AF168787.1	2	0.01%	0	0.00%	1	0.01%	1	0.01%	4
1183 vitiligo-associated protein VIT-1 (VIT1) (=DKFZp	AF264714.1	0	0.00%	2	0.01%	1	0.01%	1	0.01%	4
1184 epithelial protein lost in neoplasm beta (EPLIN)	NM_016357.1	0	0.00%	0	0.00%	3	0.02%	1	0.01%	4
1185 mitogen-activated protein kinase 3 (MAP4K3)	4506376	0	0.00%	1	0.01%	1	0.01%	2	0.01%	4
1186 protein-kinase, interferon-inducible double strand	NP_006251.1	1	0.01%	2	0.01%	1	0.01%	0	0.00%	4
1187 ser-thr protein kinase PK428	U59305	0	0.00%	1	0.01%	0	0.00%	3	0.02%	4
1188 signal transducer and activator of transcription 1	NM_007315.1	2	0.01%	1	0.01%	1	0.01%	0	0.00%	4
1189 angiopoietin-like 1 (ANGPTL1)	NM_004673.1	0	0.00%	1	0.01%	2	0.02%	1	0.01%	4
1190 lens epithelium-derived growth factor gene, alter	AF199339.1	1	0.01%	0	0.00%	3	0.02%	0	0.00%	4
1191 transforming growth factor-beta 3 (TGF-beta 3)	X14891	0	0.00%	1	0.01%	0	0.00%	3	0.02%	4
1192 uncharacterized hypothalamus protein HARP11	NM_018477.1	1	0.01%	0	0.00%	2	0.02%	1	0.01%	4
1193 calcium channel alpha1E subunit (CACNA1E) g	AF223391.1	1	0.01%	0	0.00%	1	0.01%	2	0.01%	4
1194 multiple PDZ domain protein (MPDZ) = AF09341	NM_003829.1	0	0.00%	1	0.01%	2	0.02%	1	0.01%	4
1195 heterochromatin-like protein 1 (HECH)	NM_016587.1	0	0.00%	2	0.01%	0	0.00%	2	0.01%	4
1196 high-glucose-regulated protein 8 (HGRG8)	AF192968.1	1	0.01%	2	0.01%	1	0.01%	0	0.00%	4
1197 BM-001 (=cyclin L ania-5a)	AF208843.1	0	0.00%	3	0.02%	0	0.00%	1	0.01%	4
1198 caltractin (20kD calcium-binding protein) (CALT)	NM_004344.1	1	0.01%	3	0.02%	0	0.00%	0	0.00%	4
1199 cullin 1 (CUL1)+D1167	AF062536.1	0	0.00%	1	0.01%	3	0.02%	0	0.00%	4
1200 cyclin D2(=KIAK0002 gene)	NM_001759.1	2	0.01%	1	0.01%	0	0.00%	1	0.01%	4
1201 M phase phosphoprotein 10	X98494	0	0.00%	0	0.00%	4	0.03%	0	0.00%	4
1202 prefoldin 1 (PFDN1)	NM_002622.1	1	0.01%	2	0.01%	0	0.00%	1	0.01%	4
1203 brain cellular apoptosis susceptibility protein (CS	AF053641	1	0.01%	0	0.00%	1	0.01%	2	0.01%	4
1204 p66shc (SHC)	U73377.1	3	0.02%	0	0.00%	1	0.01%	0	0.00%	4
1205 adrenomedullin (ADM)	NM_001124.1	0	0.00%	2	0.01%	0	0.00%	2	0.01%	4
1206 BUB3 (budding uninhibited by benzimidazoles 3,	NM_004725.1	0	0.00%	3	0.02%	0	0.00%	1	0.01%	4
1207 proto-oncogene tyrosine-protein kinase (ABL) g	U07563.1	1	0.01%	0	0.00%	2	0.02%	1	0.01%	4
1208 tumor endothelial marker 8 (TEM8)	AF279145.1	0	0.00%	3	0.02%	0	0.00%	1	0.01%	4
1209 hypothetical protein (RefSeq aa 5e-76)	NP_057578.1	0	0.00%	4	0.02%	0	0.00%	0	0.00%	4
1210 KIAA0206	D86961	0	0.00%	2	0.01%	0	0.00%	2	0.01%	4
1211 KIAA0877	AB020684	3	0.02%	0	0.00%	0	0.00%	1	0.01%	4
1212 KIAA0993	AB023210.1	1	0.01%	2	0.01%	0	0.00%	2	0.01%	4
1213 KIAA1436 protein	AB037857.1	3	0.02%	0	0.00%	1	0.01%	0	0.00%	4
1214 P311 protein (P311), mRNA /cds=(202,408) /gb=	Hs.142827	1	0.01%	1	0.01%	0	0.00%	2	0.01%	4
1215 small EDRK-rich factor 1, long isoform (SERF1)	AF073519.1	1	0.01%	1	0.01%	1	0.01%	1	0.01%	4

1216 v-src-1 Yamaguchi sarcoma viral oncogene hon	NM_005433.1	1	0.01%	0	0.00%	2	0.02%	1	0.01%	4
1217 vacuolar ATPase isoform VA68	AF113129.1	1	0.01%	0	0.00%	1	0.01%	2	0.01%	4
1218 deoxyuridine triphosphatase(DUT) mRNA, comp	U62891.1	2	0.01%	1	0.01%	1	0.01%	0	0.00%	4
1219 steroid dehydrogenase homolog	AF078850.1	0	0.00%	0	0.00%	1	0.01%	3	0.02%	4
1220 sterol carrier protein-X/sterol carrier protein-2 (S	U11313.1	0	0.00%	2	0.01%	0	0.00%	2	0.01%	4
1221 translin	X78627	2	0.01%	0	0.00%	1	0.01%	1	0.01%	4
1222 ribosomal protein L36a (RefSeq aa 1e-54)	NP_000992.1	0	0.00%	4	0.02%	0	0.00%	0	0.00%	4
1223 calpain-like protease (CANPX)	NM_014289.1	4	0.03%	0	0.00%	0	0.00%	0	0.00%	4
1224 cysteinyl-tRNA synthetase	L06845.1	2	0.01%	1	0.01%	0	0.00%	1	0.01%	4
1225 ubiquitin-like 3 (UBL3)	NM_007106.1	0	0.00%	3	0.02%	1	0.01%	0	0.00%	4
1226 YY1 transcription factor (YY1)	NM_003403.2	0	0.00%	2	0.01%	0	0.00%	2	0.01%	4
1227 SR protein (RNPS1)	AF015608.1	2	0.01%	0	0.00%	0	0.00%	2	0.01%	4
1228 major histocompatibility complex, class II, DR al	NP_061984.1	0	0.00%	4	0.02%	0	0.00%	0	0.00%	4
1229 epb72	X85117	0	0.00%	0	0.00%	2	0.02%	2	0.01%	4
1230 putative type II membrane protein (HP10390), (C	NM_014255.1	2	0.01%	0	0.00%	2	0.02%	0	0.00%	4
1231 metallothionein 1X (MT1X) gene	X65607.1	0	0.00%	3	0.02%	0	0.00%	1	0.01%	4
1232 ionizing radiation resistance conferring protein (=	U18321	2	0.01%	0	0.00%	1	0.01%	1	0.01%	4
1233 CGI-116 protein(LOC51019)(ORF)= AF155655 ;	NM_016053.1	0	0.00%	2	0.01%	1	0.01%	1	0.01%	4
1234 actin2	D12816.1	0	0.00%	0	0.00%	0	0.00%	4	0.03%	4
1235 tropomyosin	M19267	2	0.01%	0	0.00%	1	0.01%	1	0.01%	4
1236 integral membrane protein 2B (ITM2B), mRNA /c	Hs.239625	0	0.00%	1	0.01%	0	0.00%	3	0.02%	4
1237 unactive progesterone receptor, 23 kD (P23) = L	NM_006601.1	0	0.00%	1	0.01%	2	0.02%	1	0.01%	4
1238 RAN binding protein 1 (RANBP1), low match	NM_002882.2	4	0.03%	0	0.00%	0	0.00%	0	0.00%	4
1239 voltage-dependent anion channel isoform 1 (VD)	L06132	3	0.02%	0	0.00%	1	0.01%	0	0.00%	4
1240 histone acetyltransferase 1	AF030424	0	0.00%	1	0.01%	2	0.02%	1	0.01%	4
1241 Nijmegen breakage syndrome 1 (nibrin) (NBS1)	NM_002485.2	1	0.01%	2	0.01%	1	0.01%	0	0.00%	4
1242 apoptosis-related protein TFAR15 (TFAR15)	AF022385	0	0.00%	1	0.01%	3	0.02%	0	0.00%	4
1243 septin 2-like cell division control protein	AF146760.1	0	0.00%	1	0.01%	1	0.01%	2	0.01%	4
1244 tumor antigen (L6)	M90657.1	2	0.01%	2	0.01%	0	0.00%	0	0.00%	4
1245 hypothetical 43.2 Kd protein (RefSeq aa 7e-35)	NP_057050.1	0	0.00%	4	0.02%	0	0.00%	0	0.00%	4
1246 KIAA0592 (ORF)	AB011164	1	0.01%	1	0.01%	0	0.00%	2	0.01%	4
1247 KIAA0829	AB020636	0	0.00%	0	0.00%	1	0.01%	3	0.02%	4
1248 KIAA1265	AB033091	1	0.01%	0	0.00%	1	0.01%	2	0.01%	4
1249 murine mammary tumor integration site 6(oncog)	NP_001559.1	0	0.00%	4	0.02%	0	0.00%	0	0.00%	4
1250 PC3 cell line (TL27)	X75684.1	1	0.01%	3	0.02%	0	0.00%	0	0.00%	4
1251 small acidic protein (IMAGE145052)	NM_014267.1	0	0.00%	1	0.01%	2	0.02%	1	0.01%	4
1252 lysophospholipase (LPL1)	AF081281	1	0.01%	1	0.01%	0	0.00%	3	0.02%	4
1253 mitochondrial ATP synthase subunit 9	U09813	2	0.01%	0	0.00%	0	0.00%	2	0.01%	4
1254 hXBP-1 transcription factor DNA (=TREB protein	L13850.1	0	0.00%	2	0.01%	1	0.01%	1	0.01%	4
1255 zinc finger protein(MAZ)	M94046	4	0.03%	0	0.00%	0	0.00%	0	0.00%	4
1256 KARP-1-binding protein 3 (=KIAA0470)	AB022659.1	1	0.01%	1	0.01%	1	0.01%	1	0.01%	4
1257 miCROfibril-associated glycoprotein (MFAP2)	U19718	4	0.03%	0	0.00%	0	0.00%	0	0.00%	4
1258 smooth muscle myosin alkali light chain	U02629.1	2	0.01%	1	0.01%	1	0.01%	0	0.00%	4
1259 novel growth factor receptor	M64347	3	0.02%	0	0.00%	0	0.00%	1	0.01%	4
1260 inducible 6-phosphofructo-2-kinase/fructose 2,6-	AF056320	1	0.01%	1	0.01%	1	0.01%	1	0.01%	4
1261 GTPase activating protein (rap1GAP)	M64788	2	0.01%	0	0.00%	1	0.01%	1	0.01%	4
1262 chromodomain helicase DNA binding protein 1 (I	NP_001261.1	0	0.00%	2	0.01%	0	0.00%	2	0.01%	4
1263 topoisomerase IIb mRNA,(= TOP2 mRNA for DN	U54831.1	1	0.01%	2	0.01%	1	0.01%	0	0.00%	4
1264 CUG triplet repeat,RNA-binding protein 2 (CUG	NM_006561.1	1	0.01%	2	0.01%	1	0.01%	0	0.00%	4
1265 retinoblastoma 1 (including osteosarcoma) (RB1	NM_000321.1	0	0.00%	1	0.01%	2	0.02%	0	0.00%	3
1266 lectin, galactoside-binding, soluble, 3 (galectin 3	NM_002306.1	0	0.00%	2	0.01%	1	0.01%	0	0.00%	3
1267 guanine nucleotide binding protein (G protein), a	NM_006496.1	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1268 protein phosphatase 2A B56-epsilon (PP2A)	L76703	1	0.01%	0	0.00%	0	0.00%	2	0.01%	3
1269 COX VIa-L cytochrome c oxidase liver-specific s	X15341.1	1	0.01%	0	0.00%	1	0.01%	1	0.01%	3
1270 VDUP1 upregulated by 1,25-dihydroxyvitamin D-	NM_006472.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1271 reticulocalbin 1, EF-hand calcium binding domai	NM_002901.1	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3
1272 NADH dehydrogenase (ubiquinone) 1 beta subo	NM_002492.1	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3
1273 translation initiation factor A121/Sui1 (A121/SUI	AF100737	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3

1274	proteasome (prosome macropain) 26S subunit, /NM_002802.1	2	0.01%	0	0.00%	0	0.00%	1	0.01%	3
1275	integrin, beta 5 (ITGB5) NM_002213.1	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1276	plasma membrane calcium ATPase isoform 1 (AL14561	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1277	mannosidase, alpha, class 1A, member 2 (MAN' NM_006699.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1278	delta-like homolog (Drosophila) (DLK1)(= adrene NM_003836.1	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1279	FAT tumor suppressor (Drosophila) homolog NP_005236.1	0	0.00%	1	0.01%	2	0.02%	0	0.00%	3
1280	FUS glycine rich protein X71428.1	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1281	eukaryotic translation elongation factor 1 delta (ε NM_001960.1	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1282	ubiquitin-conjugating enzyme E2 AB017644.1	0	0.00%	1	0.01%	0	0.00%	2	0.01%	3
1283	thyroid hormone receptor interactor 12 (TRIP12) NM_004238.1	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1284	IMP (inosine monophosphate)dehydrogenase 2 NM_000884.1	1	0.01%	0	0.00%	2	0.02%	0	0.00%	3
1285	major histocompatibility complex, class II, DR be NM_002124.1	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1286	DNA topoisomerase II (TOP2) Z15115	1	0.01%	0	0.00%	1	0.01%	1	0.01%	3
1287	laminin, beta 1 (LAMB1) NM_002291.1	2	0.01%	0	0.00%	0	0.00%	1	0.01%	3
1288	hum-a-tub1 alpha-tubulin AF141348.1	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1289	nerve growth factor (HBNF-1)(= OSF-1)(= pleiotr M57399.1	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3
1290	ras-related C3 botulinum toxin substrate (rac) M29870	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3
1291	voltage dependent anion channel form 3 (=AF0: U90943	1	0.01%	0	0.00%	0	0.00%	2	0.01%	3
1292	polymerase (DNA directed) delta 2, regulatory st NM_006230.1	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1293	guanylate binding protein isoform II (GBP-2) M55543	0	0.00%	0	0.00%	1	0.01%	2	0.01%	3
1294	HSPC328 AF161446.1	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3
1295	spinocerebellar ataxia 1(olivopontocerebellar at NM_000332.1	0	0.00%	1	0.01%	2	0.02%	0	0.00%	3
1296	ATP-binding cassette, sub-family A (ABC1), mer 6005701	0	0.00%	1	0.01%	2	0.02%	0	0.00%	3
1297	galactosidase, alpha (GLA) NM_000169.1	1	0.01%	2	0.01%	0	0.00%	0	0.00%	3
1298	glucose regulated protein, 58kD (GRP58) NM_005313.1	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1299	dihydrodiol dehydrogenase 2 (trans-1,2-dihydrot NP_001345.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1300	squalene epoxidase D78129	1	0.01%	0	0.00%	1	0.01%	1	0.01%	3
1301	CYTOCHROME C OXIDASE POLYPEPTIDE VI spP15954	1	0.01%	0	0.00%	0	0.00%	2	0.01%	3
1302	cytochrome c oxidase subunit III (RefSeq aa 1e- gi5835394	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1303	methionine adenosyltransferase alpha subunit L43509	1	0.01%	2	0.01%	0	0.00%	0	0.00%	3
1304	Krueppel-related DNA-binding protein (PF4) M61866	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1305	RING zinc finger protein (RZF) AF037204	0	0.00%	0	0.00%	1	0.01%	2	0.01%	3
1306	RNA helicase AJ223948	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1307	Glutathione transferase omega (GSTO1) AF212303.1	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1308	L-isoaspartyl/D-aspartyl protein carboxyl methyl M93009	0	0.00%	0	0.00%	1	0.01%	2	0.01%	3
1309	collagen type V alpha 1(COL5A1) D90279	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1310	interferon gamma receptor 2 (interferon gamma 5031782	0	0.00%	2	0.01%	1	0.01%	0	0.00%	3
1311	nuclear receptor subfamily 3, group C, member NM_000176.1	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1312	insulin-like growth factor binding protein-3 X64875	2	0.01%	0	0.00%	0	0.00%	1	0.01%	3
1313	potassium channel modulatory factor (=DKFZp4: AF155652.1	1	0.01%	0	0.00%	1	0.01%	1	0.01%	3
1314	cyclin protein M15796	1	0.01%	0	0.00%	0	0.00%	2	0.01%	3
1315	nuclear phosphoprotein similar to S. cerevisiae NM_007062.1	1	0.01%	0	0.00%	1	0.01%	1	0.01%	3
1316	COP9 complex subunit 4 (LOC51138) NM_016129.1	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1317	endomembrane protein EMP70 precursor isologu U95973	1	0.01%	0	0.00%	1	0.01%	1	0.01%	3
1318	KIAA0695 AB014595	0	0.00%	1	0.01%	2	0.02%	0	0.00%	3
1319	KIAA0769 gene product (KIAA0769) NM_014824.1	1	0.01%	0	0.00%	2	0.02%	0	0.00%	3
1320	neuronal protein X79682	2	0.01%	0	0.00%	0	0.00%	1	0.01%	3
1321	NRAS-related gene (D1S155E) (=DKFZp586J0E NM_007158.1	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3
1322	RAB13, member RAS oncogene family (RAB13) NM_002870.1	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3
1323	retrotransposon 3' long terminal repeat Z48633	0	0.00%	1	0.01%	0	0.00%	2	0.01%	3
1324	sex-regulated protein janus A S77099	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1325	ATPase, Ca transporting, cardiac muscle, slow NM_001681.1	2	0.01%	0	0.00%	0	0.00%	1	0.01%	3
1326	cysteine protease D55696.1	1	0.01%	2	0.01%	0	0.00%	0	0.00%	3
1327	protein-tyrosine-phosphatase G1 D13380.1	2	0.01%	0	0.00%	1	0.01%	0	0.00%	3
1328	adipocyte acid phosphatase beta=phenylarsine S62885.1	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1329	ATP SYNTHASE PROTEIN 8 (A6L) P03928	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1330	hinge=OXPHOS system complex III S61826	0	0.00%	1	0.01%	0	0.00%	2	0.01%	3
1331	mitochondrial aldehyde dehydrogenase (ALDH I, Y00109	1	0.01%	0	0.00%	2	0.02%	0	0.00%	3

1332	NADH dehydrogenase (ubiquinone) 1, subcomp	NM_002494.1	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1333	NADH dehydrogenase (ubiquinone) Fe-S protein	NM_004553.1	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1334	Na,K-ATPase beta subunit (ATP1B)	M25160	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3
1335	wingless-type MMTV integration site family, men	NM_004185.1	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1336	alpha-1-antichymotrypsin, precursor;actichymotr	NP_001076.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1337	cystatin C	X52255	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1338	proteasome (prosome, macropain) 26S subunit,	NM_002804.1	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1339	sorting nexin 2 (SNX2)	AF065482.1	0	0.00%	1	0.01%	2	0.02%	0	0.00%	3
1340	DiGeorge syndrome critical region gene 6 (DGC	NM_005675.1	2	0.01%	1	0.01%	0	0.00%	0	0.00%	3
1341	ubiquitin-conjugating enzyme E2L 3 (UBE2L3)	NM_003347.1	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1342	Cdc5-related protein (PCDC5RP) (=AB007892.1	U86753.1	0	0.00%	0	0.00%	0	0.00%	3	0.02%	3
1343	CGI-99 protein = homeobox prox 1=	AF100755: AF151857	0	0.00%	0	0.00%	2	0.02%	1	0.01%	3
1344	jun B proto-oncogene (JUNB)	NM_002229.1	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1345	mSin3A (sin3A)	U22394	0	0.00%	0	0.00%	2	0.02%	1	0.01%	3
1346	retinoblastoma-binding protein 7 (RBBP7)	NM_002893.1	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1347	X-box binding protein 1 (RefSeq aa 3e-37)	NP_005071.1	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1348	zinc finger protein 133 (clone pHZ-13) (ZNF133)	NM_003434.1	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3
1349	dead box, X isoform (DBX)	AF000982.1	1	0.01%	0	0.00%	1	0.01%	1	0.01%	3
1350	six transmembrane epithelial antigen of prostate	AF186249.1	1	0.01%	2	0.01%	0	0.00%	0	0.00%	3
1351	coatomer protein complex, subunit beta 2 (beta	NM_004766.1	0	0.00%	1	0.01%	2	0.02%	0	0.00%	3
1352	helicase II (RAD54L) (=ATRX)	U09820	0	0.00%	2	0.01%	1	0.01%	0	0.00%	3
1353	topoisomerase (DNA) II alpha (170kD) (TOP2A)	NM_001067.1	0	0.00%	2	0.01%	1	0.01%	0	0.00%	3
1354	cytochrome succinate dehydrogenase, small sub	AB026906.1	0	0.00%	0	0.00%	1	0.01%	2	0.01%	3
1355	GTT1	AF270647	1	0.01%	2	0.01%	0	0.00%	0	0.00%	3
1356	major histocompatibility locus class III regions	H: AF109905	1	0.01%	0	0.00%	1	0.01%	1	0.01%	3
1357	prenylated rab acceptor 1 (PRA1)	AF025506	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1358	CGI-49 protein	AF151807.1	0	0.00%	1	0.01%	2	0.02%	0	0.00%	3
1359	spindle pole body protein spc98 homologue GC	AF042378	0	0.00%	1	0.01%	2	0.02%	0	0.00%	3
1360	chondroitin sulfate proteoglycan 4 (melanoma-a	NM_001897.1	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1361	ankyrin G (ANK-3)	U13616.1	1	0.01%	0	0.00%	1	0.01%	1	0.01%	3
1362	spectrin beta protein (pAZSP 3' end)	X91849.2	1	0.01%	0	0.00%	1	0.01%	1	0.01%	3
1363	cold inducible RNA-binding protein (CIRBP)	NM_001280.1	2	0.01%	1	0.01%	0	0.00%	0	0.00%	3
1364	lamin A	M13452	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1365	phosphatidylinositol glycan, class B (PIGB)	NM_004855.1	0	0.00%	2	0.01%	1	0.01%	0	0.00%	3
1366	interleukin 13 receptor alpha 1 (IL13RA1)	NM_001560.1	0	0.00%	0	0.00%	1	0.01%	2	0.01%	3
1367	retinoic acid suppression protein A (RSG-A)	AF038964.1	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1368	CDC28 protein kinase 1 (RefSeq aa 4e-44)	NP_001817.1	0	0.00%	2	0.01%	1	0.01%	0	0.00%	3
1369	latent transforming growth factor beta binding pr	NM_000428.1	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3
1370	fibroblast growth factor 7 (keratinocyte growth f	NM_002009.1	2	0.01%	0	0.00%	1	0.01%	0	0.00%	3
1371	PDZ domain containing-protein (PDZK1)	AF012281	0	0.00%	2	0.01%	1	0.01%	0	0.00%	3
1372	stannocalcin 1 (STC1)	NM_003155.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1373	fer-1 (C. elegans)-like 3 (FER1L3) (=AF182317	NM_013451.1	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1374	chromobox homolog 1(Drosophila HP1 beta) (C	NM_006807.1	2	0.01%	0	0.00%	1	0.01%	0	0.00%	3
1375	telomeric repeat binding factor (TRF1)	U40705.1	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3
1376	prefoldin 2 (PFDN2)	NM_012394.1	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1377	15 kDa selenoprotein (SEP15), mRNA /cds=(4,4	Hs.90606	0	0.00%	0	0.00%	1	0.01%	2	0.01%	3
1378	4F5rel	AF073298	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1379	androgen induced protein (AIG-1) (=AF151861	AF153605.1	0	0.00%	0	0.00%	0	0.00%	3	0.02%	3
1380	antigen NY-CO-1 (NY-CO-1)	AF039687.1	1	0.01%	0	0.00%	1	0.01%	1	0.01%	3
1381	ceroid-lipofuscinosis, neuronal 2, late infantile	(J NM_000391.2	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1382	CG3450 gene product [Drosophila melanogaster	AAF57398.1	0	0.00%	0	0.00%	2	0.02%	1	0.01%	3
1383	ELK1 (ELK1)	AF080616	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1384	embryonic lung protein (HUEL)	AF006621.1	0	0.00%	1	0.01%	2	0.02%	0	0.00%	3
1385	ENDOPLASMIN PRECURSOR (94 KD GLUCO	spP14625	0	0.00%	0	0.00%	2	0.02%	1	0.01%	3
1386	gene hY3 encoding a cytoplasmic Ro RNA	V00585.1	0	0.00%	0	0.00%	2	0.02%	1	0.01%	3
1387	GS3955	D87119	1	0.01%	0	0.00%	1	0.01%	1	0.01%	3
1388	HBV pX associated protein-B (LOC51773)	NM_016578.1	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1389	HRIHFB2072 (=AF115778 M.musculus short coi	AB015335.1	0	0.00%	1	0.01%	2	0.02%	0	0.00%	3

1390 HSPC004	AF070660	0	0.00%	0	0.00%	2	0.02%	1	0.01%	3
1391 HSPC019	AF077205.1	0	0.00%	0	0.00%	1	0.01%	2	0.01%	3
1392 HSPC033 protein (HSPC033)	NM_014041.1	1	0.01%	2	0.01%	0	0.00%	0	0.00%	3
1393 HSPC037 protein (LOC51659)	NM_016095.1	2	0.01%	1	0.01%	0	0.00%	0	0.00%	3
1394 HSPC158 protein (RefSeq aa 3e-87)	NP_054899.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1395 HSPC161	AF161510	0	0.00%	0	0.00%	2	0.02%	1	0.01%	3
1396 HSPC162 protein (HSPC162)	NM_014183.1	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1397 HSPC218	AF151052.1	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1398 HSPC241	AF151075.1	0	0.00%	0	0.00%	0	0.00%	3	0.02%	3
1399 HSPC275	AF161393	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1400 HSPC337	AF161455.1	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1401 HTGN29 protein (HTGN29)	NM_020199.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1402 hyperion gene	AJ010770	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1403 hypothetical protein (RefSeq aa 5e-73)	NP_057016.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1404 iduronate sulphate sulphatase (IDS) gene	L35485.1	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3
1405 KIAA0040	D25539	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1406 KIAA0065 (ZNF33A Kruppel-related)	D31763	1	0.01%	0	0.00%	2	0.02%	0	0.00%	3
1407 KIAA0076	D38548	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1408 KIAA0081	D42039	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3
1409 KIAA0090	D42044	1	0.01%	0	0.00%	1	0.01%	1	0.01%	3
1410 KIAA0099 protein, partial cds	D43951.1	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1411 KIAA0104	D14660.1	1	0.01%	0	0.00%	0	0.00%	2	0.01%	3
1412 KIAA0121	D50911	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1413 KIAA0128	D50918	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1414 KIAA0146	D63480	2	0.01%	0	0.00%	0	0.00%	1	0.01%	3
1415 KIAA0152 (cytotoxic T-cell membrane glycoprotein)	NM_014730.1	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1416 KIAA0170	D79992	1	0.01%	0	0.00%	1	0.01%	1	0.01%	3
1417 KIAA0182 gene	D80004.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1418 KIAA0188	D80010	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3
1419 KIAA0205	D86960	0	0.00%	0	0.00%	2	0.02%	1	0.01%	3
1420 KIAA0238	D87075	0	0.00%	0	0.00%	2	0.02%	1	0.01%	3
1421 KIAA0255 gene	D87444	2	0.01%	0	0.00%	2	0.02%	0	0.00%	3
1422 KIAA0261	D87450	0	0.00%	1	0.01%	0	0.00%	2	0.01%	3
1423 KIAA0262	D87451	2	0.01%	0	0.00%	1	0.01%	0	0.00%	3
1424 KIAA0310 protein	AB002308.2	1	0.01%	0	0.00%	0	0.00%	2	0.01%	3
1425 KIAA0379	AB002377	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1426 KIAA0419 gene product (KIAA0419)	NM_014711.1	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1427 KIAA0443 gene product	NM_014710.1	0	0.00%	1	0.01%	0	0.00%	2	0.01%	3
1428 KIAA0458	AB007927.1	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1429 KIAA0461	AB007930	1	0.01%	0	0.00%	0	0.00%	2	0.01%	3
1430 KIAA0484	AB007953.1	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3
1431 KIAA0537	AB011109	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1432 KIAA0642	AB014542	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1433 KIAA0666	AB014566	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1434 KIAA0692	AB014592.1	2	0.01%	0	0.00%	0	0.00%	1	0.01%	3
1435 KIAA0696 protein	AB014596	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1436 KIAA0716	AB018259.1	0	0.00%	0	0.00%	2	0.02%	1	0.01%	3
1437 KIAA0783	AB018326.1	0	0.00%	0	0.00%	1	0.01%	2	0.01%	3
1438 KIAA0851 gene	AJ297357.1	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3
1439 KIAA0929 protein Msx2 interacting nuclear target	NM_015001.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1440 KIAA0936	AB023153.1	0	0.00%	1	0.01%	0	0.00%	2	0.01%	3
1441 KIAA0958	AB023175.1	1	0.01%	0	0.00%	0	0.00%	2	0.01%	3
1442 KIAA0965	AB023182.1	0	0.00%	1	0.01%	0	0.00%	2	0.01%	3
1443 KIAA1162	AB032988.1	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3
1444 KIAA1212 protein	AB033038.1	2	0.01%	0	0.00%	1	0.01%	0	0.00%	3
1445 KIAA1288	AB033114.1	0	0.00%	2	0.01%	1	0.01%	0	0.00%	3
1446 KIAA1311	AB037732.1	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1447 KIAA1439	AB037860.1	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3

1448 KIAA1581	AB046801	0 0.00%	3 0.02%	0 0.00%	0 0.00%	3
1449 L1 repetitive element ORF (aa 1e-23,75%)	B28096	0 0.00%	3 0.02%	0 0.00%	0 0.00%	3
1450 MDS016 (MDS016)	AF182417.1	0 0.00%	3 0.02%	0 0.00%	0 0.00%	3
1451 MO25 protein (LOC51719) (=cDNA FLJ20797 fit: NM_016289.1		0 0.00%	1 0.01%	2 0.02%	0 0.00%	3
1452 myeloid cell nuclear differentiation antigen	M81750	0 0.00%	1 0.01%	1 0.01%	1 0.01%	3
1453 NDPP-1 protein	D10727.1	0 0.00%	0 0.00%	1 0.01%	2 0.01%	3
1454 Nm23 protein, involved in developmental regulat	X17620	1 0.01%	0 0.00%	0 0.00%	2 0.01%	3
1455 nuclear distribution gene C (A.nidulans) homolog	NM_006600.1	2 0.01%	1 0.01%	0 0.00%	0 0.00%	3
1456 P13-kinase associated p85	M61906	0 0.00%	2 0.01%	1 0.01%	0 0.00%	3
1457 PEG3 (=AB006625 hypothetical protein (KIAA02 U90336		3 0.02%	0 0.00%	0 0.00%	0 0.00%	3
1458 peroxisomal acyl-CoA: dihydroxyacetonephosph	AF043937	1 0.01%	0 0.00%	1 0.01%	1 0.01%	3
1459 PRO0657	AAF24054.1	0 0.00%	0 0.00%	0 0.00%	3 0.02%	3
1460 PRO2550	AF130089	0 0.00%	3 0.02%	0 0.00%	0 0.00%	3
1461 PTD015	AF092136.1	0 0.00%	1 0.01%	0 0.00%	2 0.01%	3
1462 PTP1C/HCP gene	X82818.1	3 0.02%	0 0.00%	0 0.00%	0 0.00%	3
1463 Rab geranylgeranyltransferase, beta subunit (R	NM_004582.1	0 0.00%	2 0.01%	0 0.00%	1 0.01%	3
1464 retinal pigment epithelium	L07393.1	1 0.01%	2 0.01%	0 0.00%	0 0.00%	3
1465 retinol-binding protein 4, interstitial (RBP4)	NM_006744.2	0 0.00%	3 0.02%	0 0.00%	0 0.00%	3
1466 ribulose-5-phosphate-epimerase, (ORF)	AJ224326	0 0.00%	2 0.01%	0 0.00%	1 0.01%	3
1467 serologically defined colon cancer antigen 1 (SD	NM_004713.1	0 0.00%	1 0.01%	1 0.01%	1 0.01%	3
1468 Sid3177	AB024935.1	0 0.00%	0 0.00%	1 0.01%	2 0.01%	3
1469 snuportin-1 (KPNBL)	NM_005701.1	2 0.01%	0 0.00%	0 0.00%	1 0.01%	3
1470 SON DNA binding protein isoform E (SON) mRN	Hs.92909	0 0.00%	0 0.00%	1 0.01%	2 0.01%	3
1471 split hand/foot deleted gene 1	NP_033195.1	0 0.00%	0 0.00%	1 0.01%	2 0.01%	3
1472 ST15	D50406.1	0 0.00%	1 0.01%	2 0.02%	0 0.00%	3
1473 SUMO-1 activating enzyme subunit 2 (UBA2)	NM_005499.1	0 0.00%	0 0.00%	2 0.02%	1 0.01%	3
1474 suppressor of G2 allele	NM_006704.1	1 0.01%	0 0.00%	1 0.01%	1 0.01%	3
1475 TEB4 protein (=AB011169 KIAA0597)	AF009301	0 0.00%	0 0.00%	2 0.02%	1 0.01%	3
1476 thiosulfate sulfurtransferase (rhodanese) (TST)	X59434	2 0.01%	1 0.01%	0 0.00%	0 0.00%	3
1477 TL27 (from PC3 cell line)	X75684	2 0.01%	1 0.01%	0 0.00%	0 0.00%	3
1478 translocated promoter region (to activated MET	NM_003292.1	0 0.00%	0 0.00%	3 0.02%	0 0.00%	3
1479 WS-3	D84145.1	0 0.00%	1 0.01%	0 0.00%	2 0.01%	3
1480 WW domain binding protein-1 (ORF)	U79457.17	2 0.01%	1 0.01%	0 0.00%	0 0.00%	3
1481 XIST	X56196	0 0.00%	0 0.00%	2 0.02%	1 0.01%	3
1482 annexin A11 (ANXA11 gene)	AJ278465.1	0 0.00%	2 0.01%	0 0.00%	1 0.01%	3
1483 ATPase, Na/K transporting, beta 3 polypeptide	NM_001679.1	0 0.00%	1 0.01%	2 0.02%	0 0.00%	3
1484 channel-like integral membrane protein (AQP-1)	U41518.1	1 0.01%	1 0.01%	0 0.00%	1 0.01%	3
1485 citrin (SLC25A13)	AF118838.1	1 0.01%	1 0.01%	1 0.01%	0 0.00%	3
1486 X-linked phosphoglycerate kinase	M11968	0 0.00%	0 0.00%	0 0.00%	3 0.02%	3
1487 aldehyde dehydrogenase 6 (ALDH6)	NM_000693.1	0 0.00%	0 0.00%	3 0.02%	0 0.00%	3
1488 aldehyde reductase	J04794	2 0.01%	0 0.00%	0 0.00%	1 0.01%	3
1489 dTDP-D-glucose 4, 6-dehydratase	AJ006068	0 0.00%	1 0.01%	2 0.02%	0 0.00%	3
1490 platelet-type phosphofructokinase	D25328.1	0 0.00%	1 0.01%	0 0.00%	2 0.01%	3
1491 MKP-1 like protein tyrosine phosphatase	AF038844	0 0.00%	0 0.00%	1 0.01%	2 0.01%	3
1492 Gem GTPase (gem)	U10550	0 0.00%	0 0.00%	1 0.01%	2 0.01%	3
1493 hypoxanthine phosphoribosyltransferase (HPRT)	M26434	1 0.01%	0 0.00%	2 0.02%	0 0.00%	3
1494 plasma cell membrane glycoprotein (PC-1)	M57736.1	0 0.00%	0 0.00%	1 0.01%	2 0.01%	3
1495 pyrophosphatase	Z48605	0 0.00%	0 0.00%	0 0.00%	3 0.02%	3
1496 acetyl-Coenzyme A acetyltransferase 2 (acetoac	gi5174388	0 0.00%	1 0.01%	0 0.00%	2 0.01%	3
1497 acyl-CoA synthetase 4 (ACS4)	AF030555	0 0.00%	0 0.00%	1 0.01%	2 0.01%	3
1498 acyl-Coenzyme A dehydrogenase, very long cha	NM_000018.1	2 0.01%	1 0.01%	0 0.00%	0 0.00%	3
1499 L3 pigment (L3)	AF189062.3	1 0.01%	1 0.01%	1 0.01%	0 0.00%	3
1500 leukotriene A-4 hydrolase	J02959	1 0.01%	0 0.00%	0 0.00%	2 0.01%	3
1501 cytochrome b5 reductase 1 (B5R.1) (RefSeq aa	NP_057327.1	0 0.00%	3 0.02%	0 0.00%	0 0.00%	3
1502 NADH-ubiquinone oxidoreductase MNLL subunit	AF050638.1	0 0.00%	0 0.00%	1 0.01%	2 0.01%	3
1503 ubiquinol-cytochrome c reductase, Rieske iron-s	5174742	1 0.01%	1 0.01%	0 0.00%	1 0.01%	3
1504 methylene tetrahydrofolate dehydrogenase (NA	NM_006636.1	1 0.01%	0 0.00%	1 0.01%	1 0.01%	3
1505 aspartyl glucosaminidase (AGA)	X55330	0 0.00%	1 0.01%	1 0.01%	1 0.01%	3

1506	leucine-rich repeat (LRR) protein (P37NB) 37 kD	NM_005824.1	0	0.00%	0	0.00%	1	0.01%	2	0.01%	3
1507	methionine synthase reductase (MTRR)	AF025794	0	0.00%	2	0.01%	1	0.01%	0	0.00%	3
1508	osteoblast specific cysteine-rich protein, complete	AB008375	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1509	pyrroline-5-carboxylate reductase 1 (PYCR1)	NM_006907.1	1	0.01%	2	0.01%	0	0.00%	0	0.00%	3
1510	S-adenosylmethionine decarboxylase 1 (AMD1)	NM_001634.3	1	0.01%	2	0.01%	0	0.00%	0	0.00%	3
1511	selenophosphate synthetase 2 (SPS2)	U43286	1	0.01%	0	0.00%	0	0.00%	2	0.01%	3
1512	tryptophan rich basic protein (WRB) (ORF)	NM_004627.1	2	0.01%	0	0.00%	0	0.00%	1	0.01%	3
1513	glutamic-oxaloacetic transaminase 2, mitochond	NM_002080.1	1	0.01%	0	0.00%	1	0.01%	1	0.01%	3
1514	eukaryotic translation initiation factor 4E (RefSeq)	NP_001959.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1515	GC20 protein (=AF077052 protein translation)	AF064607	1	0.01%	0	0.00%	0	0.00%	2	0.01%	3
1516	p80 protein (=M23613.1 nucleophosmin)	D45915.1	0	0.00%	1	0.01%	0	0.00%	2	0.01%	3
1517	translation initiation factor 3 47 kDa subunit	U94855	2	0.01%	0	0.00%	1	0.01%	0	0.00%	3
1518	ribosome binding protein 1 (dog 180kD homolog)	gi4759055	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1519	stress-associated endoplasmic reticulum protein	NM_014445.1	0	0.00%	0	0.00%	0	0.00%	3	0.02%	3
1520	aminopeptidase puromycin sensitive (NPEPPS)-	NM_006310.1	2	0.01%	0	0.00%	1	0.01%	0	0.00%	3
1521	beta-migrating plasminogen activator inhibitor 1	M14083	0	0.00%	0	0.00%	1	0.01%	2	0.01%	3
1522	calpain, large polypeptide L2 (CAPN2) mRNA	NM_001748.1	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1523	collagenase inhibitor	M59906	2	0.01%	0	0.00%	0	0.00%	1	0.01%	3
1524	cysteine-rich heart protein (hCRHP)	U09770.1	2	0.01%	0	0.00%	0	0.00%	1	0.01%	3
1525	cysteine-rich repeat-containing protein S52	prec AF167706.1	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1526	matrix metalloproteinase (ADAMTS1) mRNA, comp	AF207664.1	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1527	nardilysin (N-arginine dibasic convertase) (NRD)	NM_002525.1	2	0.01%	0	0.00%	0	0.00%	1	0.01%	3
1528	procollagen, type XI, alpha 1 (Col11a1)	NM_007729.1	2	0.01%	0	0.00%	1	0.01%	0	0.00%	3
1529	protease inhibitor 12 (neuroserpin) (PI12)	NM_005025.1	0	0.00%	1	0.01%	2	0.02%	0	0.00%	3
1530	proteasome (prosome, macropain) subunit, alph	NM_002790.1	0	0.00%	0	0.00%	0	0.00%	3	0.02%	3
1531	proteasome (prosome, macropain) subunit, alph	NM_002792.1	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1532	PROTEASOME COMPONENT C9 (MACROPAI spP25789		0	0.00%	0	0.00%	0	0.00%	3	0.02%	3
1533	proteasome subunit X (=X95586 MB1)	D29011	0	0.00%	0	0.00%	1	0.01%	2	0.01%	3
1534	protein x0008 (AD013)	NM_013395.1	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1535	sorting nexin 1 (SNX1)	NM_003099.1	1	0.01%	2	0.01%	0	0.00%	0	0.00%	3
1536	chaperonin containing TCP1, subunit 2 (beta) (C	NM_006431.1	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1537	farnesyl diphosphate synthase (farnesyl pyrophos	NM_002004.1	2	0.01%	0	0.00%	0	0.00%	1	0.01%	3
1538	huntingtin interacting protein 2 (HIP2)	NM_005339.1	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1539	karyopherin alpha 2 (RAG cohort 1, importin alp	NM_002266.1	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1540	nuclear localization signal deleted in velocardiof	NM_003776.1	0	0.00%	1	0.01%	2	0.02%	0	0.00%	3
1541	signal recognition particle (SRP), 19kD protein	X12791	0	0.00%	2	0.01%	1	0.01%	0	0.00%	3
1542	TRAM-like protein (KIAA0057), mRNA	NM_012288.1	1	0.01%	2	0.01%	0	0.00%	0	0.00%	3
1543	ubiquitin-activating enzyme E1C (homologous to	gi4507764	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1544	AE-binding protein 1, AEBP1	D86479	0	0.00%	0	0.00%	0	0.00%	3	0.02%	3
1545	alternative splicing factor	M72709.1	0	0.00%	1	0.01%	0	0.00%	2	0.01%	3
1546	amplified in osteosarcoma (OS-9)	NM_006812.1	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1547	bromodomain-containing 2 (BRD2)= KIAA9001	NM_005104.1	1	0.01%	2	0.01%	0	0.00%	0	0.00%	3
1548	CCAAT-box-binding transcription factor (CBF2)	NM_005760.1	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1549	c-Cbl-interacting protein (CIN85)	AF230904.1	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1550	c-myc transcription factor (puf) = M36981(ORF)	L16785.1	0	0.00%	1	0.01%	0	0.00%	2	0.01%	3
1551	FUSE binding protein 3 (FBP3)	U69127.1	0	0.00%	0	0.00%	1	0.01%	2	0.01%	3
1552	GA-binding protein transcription factor, beta sub	NM_016654.1	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1553	helix-loop-helix basic phosphoprotein (G0S8)	L13391	0	0.00%	0	0.00%	0	0.00%	3	0.02%	3
1554	myocyte-specific enhancer factor 2A (MEF2A)	U49020	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1555	retinoblastoma-associated protein RAP140 (=KI/	AAD55098.1	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1556	retinoblastoma-binding protein 4 (RBBP4) =X74	NM_005610.1	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1557	ring finger protein 11 (RNF11)	NM_014372.1	0	0.00%	2	0.01%	1	0.01%	0	0.00%	3
1558	ring finger protein 14 (RNF14) (=HFB30)	NM_004290.1	0	0.00%	0	0.00%	0	0.00%	3	0.02%	3
1559	T-box transCRiption factor (Tbx15)	AF041822	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1560	thyroid hormone receptor interactor 11 (TRIP11)	NM_004239.1	0	0.00%	1	0.01%	0	0.00%	2	0.01%	3
1561	thyroid receptor interactor (TRIP3)	L40410.1	1	0.01%	0	0.00%	1	0.01%	1	0.01%	3
1562	transCRiptional activation factor TAFII32 (=AF1	U21858	0	0.00%	0	0.00%	1	0.01%	2	0.01%	3
1563	transducin (beta) like 2 (TBL2)	NM_012453.1	2	0.01%	1	0.01%	0	0.00%	0	0.00%	3



1564 Y-linked zinc finger protein (ZFY) gene (=DKFZc AF114156.1	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1565 ZINC FINGER PROTEIN 135 spP52742	2	0.01%	0	0.00%	0	0.00%	1	0.01%	3
1566 ZNF01 and HUMORFKG1B genes, partial sequ AF205588.1	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1567 nCL1 gene X85032.1	0	0.00%	0	0.00%	2	0.02%	1	0.01%	3
1568 endoplasmic reticulum lumenal Ca2 binding pro AF216292.1	1	0.01%	0	0.00%	1	0.01%	1	0.01%	3
1569 hnRNP-E2 (poly(rC)-binding protein 2 (PCBP2)) X78136	2	0.01%	0	0.00%	1	0.01%	0	0.00%	3
1570 leukophysin (LKP) = NM_001357.1 DEAD/H box U03643.1	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1571 polyadenylate binding protein(TIA-1) M77142	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3
1572 PR264 X75755	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1573 seryl-tRNA synthetase (SARS) NM_006513.1	1	0.01%	0	0.00%	0	0.00%	2	0.01%	3
1574 small nuclear ribonucleoprotein D1 polypeptide ( NM_006938.1	0	0.00%	0	0.00%	2	0.02%	1	0.01%	3
1575 small nuclear ribonucleoprotein polypeptide F (S NM_003095.1	2	0.01%	1	0.01%	0	0.00%	0	0.00%	3
1576 splicing factor 3b, subunit 1, 155kD (SF3B1) NM_012433.1	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1577 splicing factor, arginine/serine-rich 9 (SFRS9) NM_003769.1	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1578 breast cancer-associated gene 1 protein (BCG1 AF126181.1	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1579 cartilage-associated protein (CASP) AJ006470	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1580 DC2 (DC2) AF201937.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1581 T-cell gamma receptor locus AF159056.1	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1582 28 kDa heat shock protein Z23090.1	1	0.01%	0	0.00%	0	0.00%	2	0.01%	3
1583 ALEX1 protein (LOC51309) NM_016608.1	0	0.00%	0	0.00%	2	0.02%	1	0.01%	3
1584 LIM and senescent cell antigen-like domains 1 ( NM_004987.1	0	0.00%	1	0.01%	0	0.00%	2	0.01%	3
1585 coatomer protein complex, subunit alpha (COPA NM_004371.2	2	0.01%	1	0.01%	0	0.00%	0	0.00%	3
1586 endoglin (Osler-Rendu-Weber syndrome 1) (EN NM_000118.1	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1587 tetraspanin TM4-A AF133423.1	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3
1588 ERCC5 excision repair protein L20046	0	0.00%	0	0.00%	3	0.02%	0	0.00%	3
1589 MHC class II lymphocyte antigen beta-chain (HL M28202.1	0	0.00%	0	0.00%	2	0.02%	1	0.01%	3
1590 thioredoxin-like (TXNL2) gi5730103	0	0.00%	1	0.01%	2	0.02%	0	0.00%	3
1591 Apg12 BAA36493.1	0	0.00%	1	0.01%	0	0.00%	2	0.01%	3
1592 calponin 3, acidic (CNN3) NM_001839.1	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1593 capping protein (actin filament) muscle Z-line, al NM_006135.1	0	0.00%	2	0.01%	1	0.01%	0	0.00%	3
1594 CGI-101 protein (LOC51009) NM_016041.1	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1595 CGI-114 protein (=DKFZp566E144) AF151872.1	0	0.00%	0	0.00%	1	0.01%	2	0.01%	3
1596 CGI-123 protein AF151881.1	0	0.00%	0	0.00%	1	0.01%	2	0.01%	3
1597 CGI-129 protein AF151887.1	1	0.01%	0	0.00%	1	0.01%	1	0.01%	3
1598 CGI-142 protein AF151900.1	0	0.00%	1	0.01%	0	0.00%	2	0.01%	3
1599 CGI-151 protein (RefSeq aa 6e-51) NP_057165.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	3
1600 CGI-24 protein AF132958.1	0	0.00%	0	0.00%	1	0.01%	2	0.01%	3
1601 CGI-29 protein AF132963.1	0	0.00%	1	0.01%	0	0.00%	2	0.01%	3
1602 CGI-86 protein (LOC51635) NM_016029.1	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1603 cytoplasmic dynein intermediate chain 1 AF123074	0	0.00%	1	0.01%	2	0.02%	0	0.00%	3
1604 FRA3B common fragile region, diadenosine triph AF020503.1	0	0.00%	1	0.01%	2	0.02%	0	0.00%	3
1605 LIC-2 dynein light intermediate chain 53/55 U15138.1	1	0.01%	0	0.00%	1	0.01%	1	0.01%	3
1606 sorcin (SRI) L12387.1	2	0.01%	1	0.01%	0	0.00%	0	0.00%	3
1607 collagen type IV alpha 1(COL4A1) M26576	1	0.01%	0	0.00%	2	0.02%	0	0.00%	3
1608 fibrinogen-like 2 precursor/fibroleukin (RefSeq a NP_006673.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1609 glypican 1 (GPC1) NM_002081.1	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1610 glypican 4 (GPC4) NM_001448.1	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1611 laminin, beta 2 (laminin S)(LAMB2) mRNA NM_002292.1	1	0.01%	2	0.01%	0	0.00%	0	0.00%	3
1612 sarcospan (Sspn) AF120276.1	0	0.00%	2	0.01%	1	0.01%	0	0.00%	3
1613 AHNK nucleoprotein M80902.1	0	0.00%	1	0.01%	2	0.02%	0	0.00%	3
1614 capping protein (actin filament), gelsolin-like (CA M94345	2	0.01%	1	0.01%	0	0.00%	0	0.00%	3
1615 crystallin, zeta (quinone reductase) (CRYZ) NM_001889.1	1	0.01%	0	0.00%	0	0.00%	2	0.01%	3
1616 dystrophin (DMD) M18533	0	0.00%	1	0.01%	2	0.02%	0	0.00%	3
1617 keratin 10 (epidermolytic hyperkeratosis; keratos NM_000421.1	2	0.01%	0	0.00%	1	0.01%	0	0.00%	3
1618 protein 4.1-G, erythrocyte membrane protein (cl AF054999	1	0.01%	0	0.00%	1	0.01%	1	0.01%	3
1619 myosin phosphatase target subunit 1 (MYPT1) D87930.1	0	0.00%	1	0.01%	0	0.00%	2	0.01%	3
1620 non-muscle alpha-actinin U48734.1	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1621 nonmuscle myosin heavy chain (NMHC) M31013	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3

1622	tropomodulin (TMOD)	M77016	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1623	nuclear pore complex protein hnup153	Z25535	0	0.00%	0	0.00%	1	0.01%	2	0.01%	3
1624	TIP120 (=AB020636 KIAA0829)	D87671	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1625	angiotensin receptor-like 2 (AGTRL2), mRNA	NM_005162.2	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1626	B4-2 protein	U03105.1	1	0.01%	0	0.00%	0	0.00%	2	0.01%	3
1627	diazepam binding inhibitor (GABA receptor mod)	Hs.78888	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1628	glucocorticoid receptor (GRL) gene	U80947.1	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1629	glutamate dehydrogenase 1 (GLUD1)	NM_005271.1	1	0.01%	2	0.01%	0	0.00%	0	0.00%	3
1630	HindIII K4L ORF (HU-K4)	NM_012268.1	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1631	inositol 1,4,5-triphosphate receptor, type 3 (ITPR)	U01062	2	0.01%	1	0.01%	0	0.00%	0	0.00%	3
1632	insulin receptor substrate-2 (IRS2)	AF073310	0	0.00%	2	0.01%	1	0.01%	0	0.00%	3
1633	interleukin 11 receptor, alpha (IL11RA)	NM_004512.1	2	0.01%	1	0.01%	0	0.00%	0	0.00%	3
1634	leptin receptor gene-related protein (HSOBRGR)	NM_017526.1	1	0.01%	2	0.01%	0	0.00%	0	0.00%	3
1635	multiple membrane spanning receptor TRC8 (TFAF064801.1		0	0.00%	1	0.01%	0	0.00%	2	0.01%	3
1636	orphan G protein-coupled receptor (RDC1)	U67784	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1637	regulator of G-protein signalling 2, 24kD (RGS2)	NM_002923.1	0	0.00%	1	0.01%	0	0.00%	2	0.01%	3
1638	regulator of G-protein signalling 5 (RGSS5)	AF159570.1	0	0.00%	2	0.01%	1	0.01%	0	0.00%	3
1639	retinoic acid repressible protein (RARG-1)	AF172066.1	0	0.00%	1	0.01%	0	0.00%	2	0.01%	3
1640	SGRF	AB030001.1	2	0.01%	0	0.00%	0	0.00%	1	0.01%	3
1641	transforming growth factor, beta receptor III (bet:	NM_003243.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1642	14-3-3 gamma	AB024334.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1643	cAMP-dependent protein kinase subunit RII-beta	M31158	0	0.00%	0	0.00%	2	0.02%	1	0.01%	3
1644	CDC-like kinase (CLK)	NM_004071.1	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1645	mitogen-activated protein kinase 14 (MAPK14)	4503068	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1646	protein kinase, cAMP-dependent, regulatory, typ	NM_002734.1	0	0.00%	0	0.00%	2	0.02%	1	0.01%	3
1647	Ser/Arg-related nuclear matrix protein (plenty of	NM_005839.1	1	0.01%	2	0.01%	0	0.00%	0	0.00%	3
1648	serum-inducible kinase (SNK)	AF223574.1	1	0.01%	2	0.01%	0	0.00%	0	0.00%	3
1649	tyrosylprotein sulfotransferase-1(TPST1)	AF038009	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3
1650	GTPase-activating protein ras p21 (RASA)	M23379	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3
1651	rab11a GTPase	AF000231	0	0.00%	0	0.00%	2	0.02%	1	0.01%	3
1652	rab3 GTPase-activating protein, non-catalytic su	NM_012414.1	0	0.00%	0	0.00%	2	0.02%	1	0.01%	3
1653	ralA binding protein 1 (RALBP1)	NM_006788.1	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1654	ras-related YPT1 protein (ORF)	P11476	0	0.00%	0	0.00%	1	0.01%	2	0.01%	3
1655	signal transduction protein (SH3 containing) (EF	gi5031680	0	0.00%	2	0.01%	1	0.01%	0	0.00%	3
1656	CC chemokine gene cluster	AF088219.1	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3
1657	EGR1 gene for early growth response protein 1 (A	J243425.1	2	0.01%	1	0.01%	0	0.00%	0	0.00%	3
1658	growth differentiation factor 10 (GDF10) =D4949	NM_004962.1	0	0.00%	0	0.00%	3	0.02%	0	0.00%	3
1659	quiescin Q6 (QSCN6)(= bone-derived growth fac	NM_002826.1	1	0.01%	2	0.01%	0	0.00%	0	0.00%	3
1660	SDF2	D50645	1	0.01%	0	0.00%	2	0.02%	0	0.00%	3
1661	seCreatory growth factor-like protein fallotein	AF091434.1	0	0.00%	0	0.00%	0	0.00%	3	0.02%	3
1662	uncharacterized bone marrow protein BM036 (BIN	M_018453.1	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1663	WNT1 inducible signaling pathway protein 3 (Re	NP_003871.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1664	ADP-ribosylation factor-like 2 (ARL2)	NM_001667.1	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1665	ARP2 (actin-related protein 2, yeast) homolog (A	NM_005722.1	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1666	beta-catenin	X87838	2	0.01%	0	0.00%	0	0.00%	1	0.01%	3
1667	Ca2-activated neutral protease large subunit (C	M23254.1	0	0.00%	0	0.00%	2	0.02%	1	0.01%	3
1668	calcium/calmodulin-dependent serine protein kin	NM_003688.1	0	0.00%	1	0.01%	2	0.02%	0	0.00%	3
1669	hHDC for homolog of Drosophila headcase (LOC	NM_016217.1	0	0.00%	1	0.01%	0	0.00%	2	0.01%	3
1670	MAX-interacting protein 1 (MXI1)	NM_005962.1	0	0.00%	2	0.01%	1	0.01%	0	0.00%	3
1671	Opa-interacting protein OIP2	AF025438	0	0.00%	0	0.00%	1	0.01%	2	0.01%	3
1672	Sprouty 2 (SPRY2)	AF039843	0	0.00%	2	0.01%	1	0.01%	0	0.00%	3
1673	POM121 membrane glycoprotein (rat homolog)-H	s.8198	0	0.00%	0	0.00%	0	0.00%	3	0.02%	3
1674	voltage-dependent anion channel 2 (VDAC2), nt	NM_003375.1	0	0.00%	1	0.01%	2	0.02%	0	0.00%	3
1675	alpha-parvin (PARVA)	AF237771.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1676	claudin-12 gene (CLDN12)	AJ250713.1	0	0.00%	2	0.01%	1	0.01%	0	0.00%	3
1677	C-type lectin	BAA95671.1	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1678	integrin, alpha subunit 1(ORF)	X68742	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1679	integrin-linked kinase (ILK)	U40282	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3

1680	podocalyxin-like (PODXL)	NM_005397.1	1	0.01%	0	0.00%	2	0.02%	0	0.00%	3
1681	syntaxin 7	U77942	0	0.00%	1	0.01%	2	0.02%	0	0.00%	3
1682	DNA dependent ATPase and helicase (ATRX)	U72938.2	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1683	histone H1 (0)	X03473	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1684	histone H2A.Z= M37583	X52317	0	0.00%	0	0.00%	2	0.02%	1	0.01%	3
1685	histone H2B	AJ223352	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1686	non-histone chromosomal protein HMG-14	M21339.1	1	0.01%	0	0.00%	1	0.01%	1	0.01%	3
1687	cdk inhibitor p21 binding protein (TOK-1),(ORF)=	NM_016567.1	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1688	cyclin L ania-6a (RefSeq aa 1e-66)	NP_064703.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1689	GTP-binding protein (HSR1)	L25665	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1690	GTP-binding protein(=KIAA0741)	AJ006412	0	0.00%	1	0.01%	0	0.00%	2	0.01%	3
1691	caspase 4, apoptosis-related cysteine protease (	NM_001225.1	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1692	inhibitor of apoptosis protein 2	U45879	0	0.00%	0	0.00%	2	0.02%	1	0.01%	3
1693	polymerase (RNA) II (DNA directed) polypeptide	NM_005034.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1694	inhibin, beta A (activin A, activin AB alpha poly	NM_002192.1	0	0.00%	0	0.00%	0	0.00%	3	0.02%	3
1695	NCK adaptor protein 1(NCK1)=X17576 melanot	NM_006153.1	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1696	tumor suppressing subtransferable candidate 4 (	5032204	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1697	ASCL3; CEGP1; C11orf14, C11orf15, C11orf16	AJ400877.1	2	0.01%	0	0.00%	1	0.01%	0	0.00%	3
1698	brain cDNA, clone:QnpA-18828	AB049881.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1699	brain-specific STE20-like protein kinase 3 (STK	AF083420.1	1	0.01%	2	0.01%	0	0.00%	0	0.00%	3
1700	DD6A4-1	AF034237	0	0.00%	0	0.00%	0	0.00%	3	0.02%	3
1701	expressed only in placental villi, clone SMAP47	AB019564	0	0.00%	0	0.00%	3	0.02%	0	0.00%	3
1702	hypothetical gene supported by M29548; X03551	XM_059967.1	2	0.01%	0	0.00%	1	0.01%	0	0.00%	3
1703	hypothetical protein (RefSeq aa 4e-65)	NP_055701.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1704	KIAA0160	D63881	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1705	KIAA0594	AB011166	0	0.00%	0	0.00%	2	0.02%	1	0.01%	3
1706	KIAA1128 protein, partial cds	AB032954.1	0	0.00%	2	0.01%	0	0.00%	1	0.01%	3
1707	PCTAIRE2	AB005540	0	0.00%	0	0.00%	0	0.00%	3	0.02%	3
1708	PRO0989	AF116614	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3
1709	PRO2221 (RefSeq aa 1e-34)	NP_061094.1	0	0.00%	2	0.01%	1	0.01%	0	0.00%	3
1710	putative breast adenocarcinoma marker (32kD) (	Hs.12107	0	0.00%	1	0.01%	0	0.00%	2	0.01%	3
1711	transposon-like element	M23161	1	0.01%	1	0.01%	1	0.01%	0	0.00%	3
1712	WSB1 isoform 2 (WSB1)	AF240696.1	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1713	ATP cassette binding transporter 1 (ABC1)	AF165281.1	0	0.00%	2	0.01%	1	0.01%	0	0.00%	3
1714	beta-1,4-galactosyltransferase (=D38551 hypoth	D37790	2	0.01%	0	0.00%	0	0.00%	1	0.01%	3
1715	UDP-N-acetyl-alpha-D-galactosamine:polypepti	NM_004481.1	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1716	long-chain acyl-CoA synthetase	D10040	0	0.00%	0	0.00%	3	0.02%	0	0.00%	3
1717	cytochrome b-245, beta polypeptide (chronic gra	NM_000397.2	0	0.00%	2	0.01%	1	0.01%	0	0.00%	3
1718	eukaryotic translation initiation factor 3, subunit	gi4503512	2	0.01%	0	0.00%	0	0.00%	1	0.01%	3
1719	Sec31 protein	AF139184.1	1	0.01%	2	0.01%	0	0.00%	0	0.00%	3
1720	DNA-binding protein (CROC-1B)	U39361	1	0.01%	0	0.00%	0	0.00%	2	0.01%	3
1721	ring finger protein 13 (RNF13), mRNA /cds=(151	Hs.6900	0	0.00%	0	0.00%	2	0.02%	1	0.01%	3
1722	SPR-2 mRNA for GT box binding protein	X68560.1	0	0.00%	0	0.00%	0	0.00%	3	0.02%	3
1723	T-box 15 (Tbx15)	NM_009323.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1724	zinc finger protein 207 (ZNF207)	NM_003457.1	1	0.01%	0	0.00%	0	0.00%	2	0.01%	3
1725	alpha-2-macroglobulin precursor (RefSeq aa 1e-	NP_000005.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1726	transmembrane 4 superfamily member 6 (TM4S)	NM_003270.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1727	cargo selection protein TIP47 (TIP47)(=PP17)	AF057140	1	0.01%	0	0.00%	1	0.01%	1	0.01%	3
1728	coatamer protein (COPA)	U24105	2	0.01%	1	0.01%	0	0.00%	0	0.00%	3
1729	CGI-43 protein	AF151801.1	0	0.00%	1	0.01%	1	0.01%	1	0.01%	3
1730	novel RGD-containing protein (WS-3)	NM_006571.1	2	0.01%	0	0.00%	1	0.01%	0	0.00%	3
1731	CDC42-binding protein kinase beta (DMPK-like)	XM_040911.1	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1732	Rab5 GDP/GTP exchange factor homologue (R/	NM_014504.1	1	0.01%	1	0.01%	0	0.00%	1	0.01%	3
1733	heparin-binding neurite outgrowth promoting fac	S60110	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1734	parathyromosin	M24398	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1735	calcium-binding protein in macrophages (MRP-8	X06234.1	0	0.00%	0	0.00%	0	0.00%	3	0.02%	3
1736	membrane nucleoside transporter (RefSeq aa 8	NP_055528.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1737	pinin, desmosome associated protein(RefSeq aa	NP_002678.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3

1738 high-mobility group (nonhistone chromosomal) p	NM_004965.1	1	0.01%	2	0.01%	0	0.00%	0	0.00%	3
1739 RCC1 gene, exons 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11,	D00591.1	2	0.01%	0	0.00%	0	0.00%	1	0.01%	3
1740 XPB/ERCC-3-like protein	Y17148.1	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1741 GT box binding protein (SPR-2)	X68560	0	0.00%	0	0.00%	0	0.00%	3	0.02%	3
1742 ribosomal 45S pre rRNA gene	X82564.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1743 flap structure-specific endonuclease 1 (FEN1), n	NM_004111.3	3	0.02%	0	0.00%	0	0.00%	0	0.00%	3
1744 postmeiotic segregation increased (S. cerevisiae	NP_000526.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	3
1815 KIAA0068 gene	D38549.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
1745 eukaryotic translation elongation factor 1 alpha 1	NM_001403.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1746 ribosomal 28S RNA	M11167	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
1747 zinc-finger, splicing (RefSeq aa 4e-74)	NP_005446.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
1748 DNA repair helicase (ERCC3)	M31899.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
1749 minichromosome maintenance deficient (S. cere	NM_002388.2	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1750 NRF1 protein (NRF1)= non-functional folate binc	L24123.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
1751 RNA binding motif, single stranded interacting pr	gi8400721	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
1752 beta-netrin	AF278532	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
1753 kinesin (heavy chain)	X65873	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
1754 bamacan (RefSeq aa 1e-76)	NP_005436.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
1755 cartilage oligomeric matrix protein (COMP)	NM_000095.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1756 collagen type X alpha 1(COL10A1)	X72580	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
1757 chemokine-like factor 1 (CKLF1)	AF096895.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1758 ecotropic viral integration site 2A (EVI2A)	NM_014210.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
1759 apoptosis inhibitor (IEX-1L) gene	AF071596.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
1760 fructose 1,6-diphosphate aldolase A (=X05236;M	M21190	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
1761 UDP-GalNAc:polypeptide N-acetylgalactosaminyl	X85018	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
1762 NADH:ubiquinone oxidoreductase B15 subunit (i	AF044957	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
1763 aspartate beta-hydroxylase (ASPH)	NM_004318.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
1764 fragile X mental retardation protein 1 homologue	U25165	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
1765 protein disulfide isomerase related protein (ERp	J05016.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
1766 ubiquitin specific protease 16 (USP16)	NM_006447.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
1767 retinoblastoma-like 2 (p130)(RBL2)	NM_005611.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
1768 U6 snRNA-associated Sm-like protein 2e-32	NP_036454.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
1769 autoantigen	L05425	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
1770 microtubule-associated protein 4 (MAP4)	NM_002375.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1771 RBP1-like protein (LOC51742)	NM_016374.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
1772 glioma pathogenesis-related protein (GliPR)	U16307.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
1773 SMT3 (suppressor of mif two 3, yeast) homolog	NM_006936.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
1774 surface glycoprotein	Z50022.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
1775 tetrapeptide repeat domain 1 (TTC1)	NM_003314.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
1776 ATPase, vacuolar, 14 kD (ATP6S14)	NM_004231.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1777 solute carrier family 20 (phosphate transporter),	7382462	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
1778 glycogen phosphorylase	Y15233	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
1779 ribonuclease L (2',5'-oligoadenylate synthetas	4506558	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
1780 cytochrome c oxidase subunit VII-related protein	AB007618	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
1781 lymphocyte dihydropyrimidine dehydrogenase (L	U20938	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
1782 eukaryotic translation initiation factor 3, subunit 7	NM_003753.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
1783 chaperonin containing TCP1, subunit 7 (eta) (CC	NM_006429.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1784 ubiquitin carboxyl-terminal esterase L3 (ubiquitin	NM_006002.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
1785 ubiquitination factor E4A (homologous to yeast	L 4759287	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
1786 Vacuolar protein sorting 26 (yeast homolog) (VP	NM_004896.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
1787 cAMP responsive element binding protein-like 2	NM_001310.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
1788 erg protein (ets-related gene)	M21535	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
1789 Id3 gene for HLH type transcription factor	X73428.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
1790 Kruppel-like factor (LOC51713)	NM_016270.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1791 THYROID HORMONE-INDUCED PROTEIN B F Q91641		0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
1792 zinc finger transCRiptional regulator (GOS24)	M92844	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
1793 splicing factor, arginine/serine-rich 3 (RefSeq aa	NP_003008.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
1794 chromodomain helicase DNA	NM_001271.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2

1795 keratocan (KERA), (=keratocan gene, promoter); NM_007035.2	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1796 beta tropomyosin (TPM2) gene AF209746.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1797 muscle mRNA for embryonic myosin heavy chain X15696.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1798 nuclear receptor coactivator (=TRBP) AF245115	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
1799 protein tyrosine kinase 9 (PTK9) NM_002822.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
1800 serine kinase SRPK2 U88666	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
1801 bone morphogenetic protein 6 (BMP6)(= transfor NM_001718.2	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
1802 cell adhesion molecule (CD44) M59040	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
1803 C-type (calcium dependent, carbohydrate-recog; 4826676	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
1804 cyclin-dependent kinase 4 (CDK4) U37022	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1805 WEE1 gene for protein kinase and partial ZNF14AJ277546.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
1806 programmed cell death 4 (RefSeq aa 7e-54) NP_055271.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
1807 130 kD Golgi-localized phosphoprotein (GPP13C) U55853	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
1808 ALL-1 gene Z69780.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
1809 deleted in pancreatic carcinoma (DPC4) gene, e AF045440.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
1810 E-1 enzyme (MASA) AF113125.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
1811 FSHD-associated repeat DNA, proximal region= U85056	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
1812 GalNAc-T2 gene Y10344.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
1813 glycolipid transfer protein (LOC51228) NM_016433.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
1814 golgi autoantigen, golgin subfamily a, 3 (GOLGA NM_005895.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
1816 KIAA0423 AB007883.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
1817 KIAA0738 AB018281	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
1818 leukemogenic homolog protein (MEIS1) U85707.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
1819 nuclear autoantigenic sperm protein (histone-bin NM_002482.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
1820 p21WAF1/CIP1 promoter-interacting protein (=K AF265443.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
1821 tetracycline transporter-like protein D88315	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
1822 lung type-I cell membrane-associated glycoprotein NP_006465.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
1823 acyl-coenzyme A:cholesterol acyltransferase (OIL21934.2	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
1824 casein kinase II alpha subunit M55268	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
1825 protein tyrosine phosphatase type IVA, member NM_003463.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
1826 protein tyrosine phosphatase, non-receptor type NM_002835.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
1827 protein tyrosine phosphatase, non-receptor type NM_006264.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
1828 5'-3' exoribonuclease 2 (XRN2) NM_012255.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
1829 APEX nuclease (multifunctional DNA repair enzy NP_001632.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
1830 carbamoyl-phosphate synthetase 2, aspartate tr; NM_004341.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1831 phosphoribosyl pyrophosphate synthetase-asso NM_002766.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
1832 aldehyde dehydrogenase (ALD10), miCRosomal U46689	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
1833 low density lipoprotein-related protein 1 (alpha-2 NM_002332.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
1834 NADP dependent cytoplasmic malic enzyme (=LX77244	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
1835 hyaluronan-binding protein precursor (HABP1) AF275902.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
1836 leucine rich repeat (in FLII) interacting protein 1 (NM_004735.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
1837 serine-rich protein AF246705.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
1838 EUKARYOTIC TRANSLATION INITIATION FAC spQ14152	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
1839 translation initiation factor eIF-3 p110 subunit U46025	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1840 metalloprotease/disintegrin/cysteine-rich protein U41766	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
1841 proteasome (prosome, macropain) activator sub; NM_006263.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
1842 weak similarity to Arabidopsis thaliana ubiquitin- U88173	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
1843 cullin 3 (CUL3) (=AB014517 KIAA0617) gi4503164	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
1844 cyclophilin 40 D63861.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
1845 cellular retinoic acid-binding protein 2 (CRABP2) NM_001878.2	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1846 DNA binding protein NAK1 D49728	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1847 host cell factor 2 (HCF-2) NM_013320.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
1848 LIM protein (similar to rat protein kinase C-bindir NM_006457.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
1849 von Hippel-Lindau binding protein (VBP-1) U96759	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
1850 heterogeneous nuclear ribonucleoprotein F (HNf NM_004966.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
1851 poly(A)-binding protein, nuclear 1 (PABPN1) gi4758875	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
1852 Sjogren syndrome antigen A1 (SSA1) NM_003141.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
1853 core-binding factor, runt domain, alpha subunit 2 NM_004349.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2

1854	membrane component, chromosome 17, surface	gi5174504	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
1855	X-ray repair complementing defective repair in C	gi4507944	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
1856	factor I (C3b/C4b inactivator)	J02770.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
1857	MHC class II HLA-DR-beta	M20430.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
1858	CGI-45 protein (LOC51094)	NM_015999.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1859	golgi matrix protein GM130 (GOLGA2) (non-exa	AAF65550.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
1860	EGF-like repeats and discoidin I-like domains 3 (	NP_005702.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
1861	fibrillin-2	U03272	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1862	fibulin 5 (FBLN5)	NM_006329.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
1863	microfibrillar-associated protein 1 (MFAP1)	NM_005926.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
1864	actin-binding LIM protein (ABLM)	NM_006719.2	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
1865	thyroid autoantigen 70kD (Ku antigen) (G22P1)	NM_001469.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1866	vinculin	M33308	0	0.00%	0	0.00%	0	0.00%	0	0.00%	2
1867	cardiac myosin binding protein-C (ORF)	X84075	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
1868	tropomyosin 4 (TPM4)	Y00169.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
1869	troponin T3, skeletal fast (TNNT3)	NM_006757.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1870	lamin B receptor (LBR)	NM_002296.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
1871	surfeit 1 (SURF1)	NM_003172.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
1872	unc-50 related protein homologue	AF077038.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
1873	100 kDa coactivator	U22055	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
1874	diphtheria toxin receptor (heparin-binding epiden	NM_001945.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
1875	Fc fragment of IgE, high affinity I, receptor for; g	gi4758343	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
1876	fibroblast growth factor receptor (FGFR-4)	X57205	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1877	G protein-coupled receptor 23 (GPR23)	NM_005296.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
1878	stromal cell protein isoform	AF126024	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
1879	mitogen-activated protein kinase kinase kinase	NM_004834.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
1880	protein kinase, cGMP-dependent, type I (PRKG1	NM_006258.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
1881	serine/threonine protein kinase MASK (LOC517f	NM_016542.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
1882	guanine nucleotide binding protein 10 (GNG10)	NM_004125.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
1883	angiotensin-related protein	AF153606.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
1884	macrophage migration inhibitory factor (glycosyl	NM_002415.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1885	uncharacterized hypothalamus protein HTMP (L	NM_018475.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
1886	histone H2A.F/Z variant (H2AV)	AF081192	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
1887	C-1	U41816	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
1888	cyclin-D binding Myb-like protein	AF084530.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
1889	GTP-binding protein G25K	AL121737.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
1890	reverse transcriptase homolog - human retrotran	pirJ138588	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
1891	ATP binding protein	AB006679	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
1892	BCL2 gene, exon 3 and breakpoint region	AF217803.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
1893	PRP4/STK/WD splicing factor (HPRP4P)	NM_004697.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1894	tumor protein D52-like 1 (TPD52L1)	NM_003287.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
1895	7-60 (gene)	AF112980	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1896	activated in tumor suppression	AJ012502.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
1897	adipose differentiation-related protein (ADFP)	XM_048266.2	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
1898	ALL1-fused gene from chromosome 1q (AF1Q)	NM_006818.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
1899	AML1 AML1c protein (alternatively spliced produ	D43969.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
1900	antigen NY-CO-10 (NY-CO-10)	AF039692.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
1901	BABP gene for bile acid-binding protein [AKR 1C	AB032151.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
1902	beige-like protein (BGL)	M83822.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
1903	BRCA2 region= ARP2/3 protein complex subunit	U50523	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
1904	Brush-1=tumor suppressor (=AB020707 KIAA09	S69790	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
1905	BTK region clone 2110-rpi	U01925.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
1906	candidate tumor suppressor p33 ING1 homolog	NM_016162.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1907	CG14483 gene product (35% ORF) [Drosophila	AE003802	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
1908	chitinase, di-N-acetyl- (CTBS)	NM_004388.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
1909	COP9 (constitutive photomorphogenic, Arabidops	NP_006828.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
1910	COP9 homolog (HCOP9)	U51205	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1911	cytokine inducible SH2-containing protein 3 (Cisl	gi6671757	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2

1912	cytokine-inducible SH2 protein 6 (CISH6) (=AB0 AF073958.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
1913	DAPIT protein	AJ271158	0	0.00%	0	0.00%	1	0.01%	1	0.01%
1914	Dim1p homolog (hdim1)	AF023611	1	0.01%	0	0.00%	1	0.01%	0	0.00%
1915	DMA, DMB, HLA-Z1, IPP2, LMP2, TAP1, LMP7, X87344		0	0.00%	1	0.01%	1	0.01%	0	0.00%
1916	Dmx-like 1 (DMXL1)	NM_005509.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%
1917	down-regulated in metastasis (DRIM)	NM_014503.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%
1918	downregulated in ovarian cancer 1 (DOC1)	NM_014890.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%
1919	enhancer of invasion 10 (HEI10) (=DKFZp564AC AF216381.1		0	0.00%	1	0.01%	1	0.01%	0	0.00%
1920	EXLM1	AB006651.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%
1921	FLJ-LRR associated protein-1	AF045573	1	0.01%	0	0.00%	1	0.01%	0	0.00%
1922	fv1	X63657	0	0.00%	0	0.00%	0	0.00%	2	0.01%
1923	GA17 protein (dendritic cell protein)	AF064603	1	0.01%	0	0.00%	1	0.01%	0	0.00%
1924	GL004 protein (RefSeq aa 2e-34)	NP_064579.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%
1925	glioma tumor suppressor candidate region protei	AAF62873.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%
1926	guanylate binding protein 1, interferon-inducible, NP_002044.1		0	0.00%	2	0.01%	0	0.00%	0	0.00%
1927	HDCMA18P protein (HDCMA18P)	NM_016648.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%
1928	HDCMC29P	AF068295.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%
1929	hDj9 (=AL032657) (65% aa)	AB028859	0	0.00%	1	0.01%	1	0.01%	0	0.00%
1930	HepG2 3' region Mbol cDNA, clone hmd3c06m3 D17196.1		0	0.00%	0	0.00%	1	0.01%	1	0.01%
1931	HP protein (HP)	AF026219.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%
1932	HSPC007 protein	NP_054737.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%
1933	HSPC023 protein (HSPC023), D2217	NM_014047.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%
1934	HSPC043 protein mRNA, (=HSPC291)	AF161411.2	1	0.01%	0	0.00%	1	0.01%	0	0.00%
1935	HSPC085	AF161348.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%
1936	HSPC095	AF161358.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%
1937	HSPC115 mRNA, (= adenosine 5'-diphosphosug	AF161464.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%
1938	HSPC132 (ORF)	AF161481	1	0.01%	0	0.00%	0	0.00%	1	0.01%
1939	HSPC133 protein (HSPC133) (=cDNA FLJ1045	NM_014168.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%
1940	HSPC134 protein (HSPC134)	NM_014169.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%
1941	HSPC229	AF151063.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%
1942	HSPC250 (ORF)	AF151084	0	0.00%	0	0.00%	0	0.00%	2	0.01%
1943	HSPC292	AAF28970.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%
1944	HSPC302	AF161420.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%
1945	HT005 protein (=ariadne (Drosophila) homolog 2	AF183427.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%
1946	HT014 (HT014)	AF221595.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%
1947	HYA22	D88153	1	0.01%	0	0.00%	1	0.01%	0	0.00%
1948	hypothalamus protein HT007 (RefSeq aa 2e-64)	NP_060950.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%
1949	hypothetical gene (LOC115009)	XM_055020.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%
1950	intergenic DNA between SURF-2 and SURF-4	Y17214	1	0.01%	0	0.00%	0	0.00%	1	0.01%
1951	IRLB gene (exon5)	X82334.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%
1952	ITBA1 protein	X92475	2	0.01%	0	0.00%	0	0.00%	0	0.00%
1953	JM4 protein (JM4)	NM_007213.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%
1954	KIAA0006	D25304	0	0.00%	0	0.00%	1	0.01%	1	0.01%
1955	KIAA0009	D13634.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%
1956	KIAA0010	D13635	1	0.01%	0	0.00%	1	0.01%	0	0.00%
1957	KIAA0017	D13642	2	0.01%	0	0.00%	0	0.00%	0	0.00%
1958	KIAA0025 gene product; MMS-inducible gene (K	NM_014685.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%
1959	KIAA0036	D25278	2	0.01%	0	0.00%	0	0.00%	0	0.00%
1960	KIAA0039 (ORF)	D26018.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%
1961	KIAA0041	D26069	0	0.00%	0	0.00%	1	0.01%	1	0.01%
1962	KIAA0049	D30756.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%
1963	KIAA0058	NM_014764.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%
1964	KIAA0066	D31886.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%
1965	KIAA0072 gene	D31889.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%
1966	KIAA0073 (cyclophilin related)	D38552	0	0.00%	1	0.01%	1	0.01%	0	0.00%
1967	KIAA0093	D42055.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%
1968	KIAA0095 gene	NM_014669.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%
1969	KIAA0105	NM_004906.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%

1970 KIAA0112	D25218	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
1971 KIAA0117	D38491	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
1972 KIAA0155 gene	NM_014633.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
1973 KIAA0156 gene product (KIAA0156)	NM_014706.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
1974 KIAA0161	D79983	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
1975 KIAA0178	D80000	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
1976 KIAA0180	D80002	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1977 KIAA0183 gene	D80005.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
1978 septin 2 (SEP2)	AF179995.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
1979 KIAA0203	D86958	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
1980 KIAA0217	D86971	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1981 KIAA0225 gene	D86978.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
1982 KIAA0227	D86980	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
1983 KIAA0228 gene	D86981.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
1984 KIAA0233	NM_014745.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1985 KIAA0253	D87442	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1986 KIAA0254	D87443	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
1987 KIAA0258 gene	NM_014785.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
1988 KIAA0266 gene, (ORF)	D87455	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
1989 KIAA0324	AB002322.2	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
1990 KIAA0353	AB002351	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
1991 KIAA0368	AB002366	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
1992 KIAA0370 gene	AB002368.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
1993 KIAA0447	AB007916	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
1994 KIAA0451	NM_014826.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
1995 KIAA0456	AB007925	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
1996 KIAA0466 protein	AB007935.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
1997 KIAA0470	AB007939	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
1998 KIAA0471 gene product (KIAA0471)	NM_014857.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
1999 KIAA0475	NM_014864.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2000 KIAA0480	AB007949	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2001 KIAA0488	AB007957.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2002 KIAA0491	AB007960	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2003 KIAA0553	AB011125	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2004 KIAA0564 protein	AB011136.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2005 KIAA0611	AB014511	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2006 KIAA0618 gene product (KIAA0618), mRNA	XM_018359.3	1	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2007 KIAA0638	AB014538	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2008 KIAA0639	AB014539	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2009 KIAA0648	AB014548	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2010 KIAA0689	AB014589.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2011 KIAA0697 protein	AB014597.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2012 KIAA0701 protein	AB014601.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2013 KIAA0727 (ORF)	AB018270	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2014 KIAA0745	AB018288.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2015 KIAA0761 protein	AB018304.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2016 KIAA0762	AB018305.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2017 KIAA0765	AB018308.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2018 KIAA0770	AB018313.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2019 KIAA0772 gene	NM_014835.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2020 KIAA0776 protein	AB018319.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2021 KIAA0824 (=PCF11p homolog)	AB020631.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2022 KIAA0830	AB020637.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2023 KIAA0843	AB020650.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2024 KIAA0847 protein	AB020654.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2025 KIAA0862=leucine-rich repeat protein SHOC-2	AB020669	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2026 KIAA0903(ORF)	AB020710	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2027 KIAA0907	AB020714.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2



2028	KIAA0909 protein	BAA74932.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2029	KIAA0911 protein (KIAA0911),	NM_014944.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2030	KIAA0914 gene product	NM_014883.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2031	KIAA0934 protein	AB023151.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2032	KIAA0947	AB023164.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2033	KIAA0952	AB023169.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2034	KIAA0955 protein (KIAA0955)	NM_014959.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2035	KIAA0978	AB023195	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2036	KIAA0997	NM_014950.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2037	KIAA1014	AB023231.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2038	KIAA1033	AB028956.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2039	KIAA1063	AB028986.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2040	KIAA1064	AB028987.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2041	KIAA1131	AB032957.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2042	KIAA1137	AB032963.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2043	KIAA1190	AB033016.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2044	KIAA1223	AB033049.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2045	KIAA1249 protein	AB033075.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2046	KIAA1287	AB033113	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2047	KIAA1310	AB037731.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2048	KIAA1338 protein	AB037759.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2049	KIAA1350 protein	AB037771.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2050	KIAA1381	AB037802	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2051	KIAA1404	AB037825.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2052	KIAA1423	AB037844.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2053	KIAA1424 protein	AB037845.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2054	KIAA1458	AB040891.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2055	KIAA1507(=FLJ20654)	AB040940.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2056	KIAA1518	AB040951	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2057	KIAA1519	AB040952.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2058	KIAA1536	AB040969.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2059	KIAA1577	AB046797.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2060	KIAA1610	AB046830.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2061	KIAA1633 protein	BAB13459.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2062	L13 protein (RefSeq aa 8e-78)	NP_054797.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2063	La/SS-B protein	X69804	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2064	like mouse brain protein E46(E46L)	NM_013236.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2065	lipoma HMGIC fusion partner (LHFP)	AF098807.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2066	LQFBS-1 (=AB011087 hypothetical protein (KIA	AF062385	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2067	male sterility protein 2-like protein	AJ272073	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2068	maternal G10 transcript (G10)	NM_003910.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2069	maternal-embryonic 3 (Mem3)	U47024	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2070	MCT-1 protein (MCT-1)	NM_014060.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2071	MDS011 (MDS011)	AF182424.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2072	MEF3L1 MEF3 like 1	AB049150.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2073	melanoma antigen, family D 1 (MAGED1)	NM_006986.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2074	meningioma (disrupted in balanced translocation	NM_002430.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2075	microspherule protein 1 (MCRS1)	NM_006337.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2076	neuroblastoma-amplified protein	AF056195	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2077	Neurofibromatosis 1 locus on Chromosome 17	AC004526.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2078	NICE-5 protein (=AF116721) PRO3094	AJ243666	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2079	non-metastatic cells 1, protein (NM23A) express	4557796	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2080	non-ocogenic Rho GTPase-specific GTP exchar	AF127481.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2081	NY-REN-55 antigen (=DKFZp564L2416)	AF155113.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2082	p45SKP2-like protein (=FLR1)	AF157323.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2083	p47 (=Y10769 R.norvegicus XY40 protein) (low	AF078856	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2084	partial polr2H gene for RPB8, exons 1-5, and join	AJ252079.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2085	PB1	X90849	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2

2086 PBK1 protein	AJ007398.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2087 period (Drosophila) homolog (PER) (RIGUI) (=AI AF022991		1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2088 phosphoserine phosphatase-like (PSPHL)	NM_003832.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2089 PIBF1 protein	Y09631	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2090 PIX1 mRNA (ORF)	AF037219	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2091 PRO2160	AF119863.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2092 PRO2275	AF119873.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	2
2093 PRO2898	AF116717.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2094 PTD008 protein(=CGI-140 protein)	NM_016145.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2095 PTD009 protein (PTD009) (=HSPC172)	NM_016146.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2096 PTD016 protein (LOC51136)	NM_016125.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2097 PTPRF interacting protein, bindingprotein 1 (lipri NP_003613.1		1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2098 putative Rab5-interacting protein(RefSeq aa 6e-; NP_061328.1		0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2099 RD RNA-binding protein(RDBP), mRNA	NM_002904.3	1	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2100 retinal short-chain dehydrogenase/reductase ret: AF061741		1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2101 retrovirus-related leucine zipper protein p40 - hui138587		0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2102 RETROVIRUS-RELATED POL POLYPROTEIN spP11369		0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2103 REV1 protein (REV1)	NM_016316.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2104 reversion-inducing-cysteine-rich protein with kaz Hs.29640		1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2105 rIB operon	AF053965.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2106 SCID complementing gene 2	D78188.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2107 SEC14 (S. cerevisiae)-like 1 (SEC14L1), mRNA	NM_003003.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2108 SEC63 protein	AJ011779.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2109 single-strand selective monofunctional uracil DN AF125182		1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2110 small glutamine-rich tetratricopeptide repeat (TP AJ223828		2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2111 SP100-HMG nuclear autoantigen (SP100)	AF056322.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2112 sperm autoantigenic protein 17 (SPA17)	NM_017425.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2113 sperm specific antigen 2 (SSFA2=M61199=clea NM_006751.1		0	0.00%	0	0.00%	1	0.01%	0	0.00%	2
2114 splice variant AKAP350	AF091711.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	2
2115 stabilin-1 (stab1 gene) (=KIAA0246)	AJ275213.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2116 SULT1C sulfotransferase (SULT1C)	NM_006588.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2117 TCTEL1 (I-complex-associated-testis-expressed D50663.1		0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2118 testis specific protein	AF146738.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2119 TMEM1 and PWP2	AB001523.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2120 torsin B (DQ1)	AF007872	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2121 WD-40 repeat protein	AB024327.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2122 wild-type p53 activated fragment-1 (WAF1)	U03106.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2123 WRN (WRN)	AF181897.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2124 WW domain binding protein 11	AF071186	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2125 WW domain binding protein 5	U92454	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2126 XRP2 protein (retinitis pigmentosa 2 (X-linked re AJ007590		0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2127 annexin A6 (ANXA6)	NM_004033.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2128 annexin VII (synexin)(ANX7)	NM_001156.2	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2129 ATP-specific succinyl-CoA synthetase beta subu AF058953		0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2130 sodium calcium exchanger 1 (NCX1)	U83657	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2131 solute carrier family 11 (proton-coupled divalent Hs.57435		0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2132 solute carrier family 31 (copper transporters), me NM_001860.1		0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2133 6-phosphogluconolactonase (PGLS)	NM_012088.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2134 aldehyde oxidase gene=AOX1)	Z99567	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2135 alpha mannosidase II	U31520.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2136 hexokinase 2 (HK2)	NM_000189.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2137 Na -D-glucose cotransport regulator gene	X82877	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2138 oligosaccharyl transferase STT3 subunit homolo L38961		2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2139 paraoxonase 2 (PON2)	NM_000305.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2140 phosphomannomutase	U86070.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2141 proteolipid protein 2 (colonic epithelium-enriched NM_002668.1		0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2142 RGL protein (RGL)	AF186779.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2143 UDP-N-acetyl-alpha-D-galactosamine:polypeptic gi8393408		0	0.00%	0	0.00%	1	0.01%	1	0.01%	2

2144	protein phosphatase methyltransferase-1 (PME-1)	NM_016147.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2145	protein tyrosine phosphatase, receptor type, F (F NM_002840.1		0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2146	protein x 0004 (ORF)	AF117229	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2147	protein x 013	AF164793.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2148	TPI1 gene for triosephosphate isomerase	X69723.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2149	adenosine deaminase, RNA-specific (ADAR), tr	gi7669474	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2150	adenylosuccinate lyase(ADSL)	NM_000026.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2151	adenylosuccinate synthetase	X66503	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2152	deoxyguanosine kinase (DGUOK)	NM_001929.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2153	deoxyribonuclease II	AF060222.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2154	inositol (myo)-1(or 4)-monophosphatase 1 (IMP	NM_005536.2	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2155	nucleotide pyrophosphatase (=plasma cell mem	D12485.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2156	p53R2 gene for ribonucleotide reductase, exon	AB036532.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2157	phosphoribosyl pyrophosphate synthetase-assoc	NM_002767.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2158	phosphoribosylglycinamide formyltransferase (P	M32082.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2159	purine nucleoside phosphorylase	X00737	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2160	thymidylate synthase	D00596	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2161	1-acylglycerol-3-phosphate O-acyltransferase	Y09565.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2162	adaptor protein p150	Y08991	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2163	mutant cerebroside sulfate activator protein (SAI	M60258	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2164	Niemann-Pick C disease protein (NPC1)	AF002020.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2165	5-methyltetrahydrofolate-homocysteine methyltr	NM_000254.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2166	AAPT1-like protein	AF047431.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2167	acetyl-coenzyme A transporter	D88152	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2168	ARF protein	NM_016632.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2169	atractin precursor (ATRN) gene	AF218915.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2170	biliverdin reductase A (BLVRA)	NM_000712.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2171	choline/ethanolaminephosphotransferase (CEPT	NM_006090.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2172	enoyl-CoA hydratase/3-hydroxyacyl-CoA dehydr	D16480	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2173	galactocerebrosidase (GALC) gene	L38559	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2174	hydroxysteroid (17-beta) dehydrogenase 4 (HSC	NM_000414.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2175	methylmalonyl-CoA mutase (MCM)	M65131	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2176	nucleus-encoded mitochondrial aldehyde dehydr	M20456.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2177	phospholipase C beta 4 (PLCB4)	L41349	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2178	phospholipase C-beta-3 (PLCB3)	U26425.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2179	transacylase (DBT)	X66785	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2180	cytochrome c oxidase assembly protein COX11	AF044321	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2181	cytochrome c oxidase subunit VIa gene	U83702.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2182	mitochondrial 75 kDa iron sulphur protein	X61100	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2183	mitochondrial carrier homologue 2	AF176008.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2184	mitochondrial carrier protein ARALAR1	Y14494	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2185	mitochondrial cytochrome c oxidase Va subunit	M22760	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2186	mitochondrial inner membrane translocase Tim2	AF030162.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2187	NAD+-specific isocitrate dehydrogenase beta su	U49283	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2188	NADH dehydrogenase (ubiquinone) Fe-Sprotein	NP_004543.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	2
2189	NADH dehydrogenase (ubiquinone) flavoprotein	NM_021074.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2190	NADH dehydrogenase subunit (heteroplasmic G	S73804	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2191	NADH dehydrogenase(ubiquinone) 1, subcompl	NM_004549.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2192	NADH dehydrogenase-ubiquinone Fe-S protein	AF038406	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2193	NADH:ubiquinone dehydrogenase 51 kDa subur	AF053070	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2194	NADH:ubiquinone oxidoreductase B17 subunit	AF035840.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2195	oxidase (cytochrome c) assembly 1-like (OXA1L	NM_005015.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2196	PNAS-105 (=NADH dehydrogenase subunit 2 (N	AF275801.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2197	QUINONE OXIDOREDUCTASE (NADPH:QUIN: spQ08257		0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2198	succinyl CoA:3-oxoacid CoA transferase precurs	U62961.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2199	ubiquilin 2 (UBQLN2)	NM_013444.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2200	antizyme inhibitor	NM_015878.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2201	arginase, type II (ARG2), nuclear gene encoding	NM_001172.2	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2

2202	Asparaginyl tRNA Synthetase (NARS)	D84273	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2203	dolichyl-phosphate mannosyltransferase polypeptide	NM_003859.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2204	Fas-activated serine/threonine kinase (FASTK)	NM_006712.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2205	golgi phosphoprotein 1 (GOLPH1)	XM_037292.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2206	isopentenyl-diphosphate delta isomerase (IDI1)	NM_004508.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	2
2207	isoprenylcysteine carboxyl methyltransferase (IC)	NM_012405.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2208	leucine zipper, down-regulated in cancer 1 (LDO)	NM_012317.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2209	leucine-rich protein	M92439.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2210	lysyl hydroxylase (=L06419)	M98252	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2211	Npw38-binding protein NpwBP (LOC51729)	NM_016312.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2212	ORNITHINE DECARBOXYLASE (ODC)	spP00860	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2213	phenylalanyl-tRNA synthetase beta-subunit; Phe	NP_005678.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2214	proline arginine-rich end leucine-rich repeat protein	NM_002725.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2215	Proline synthetase associated	AB018566.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2216	S-adenosyl homocysteine hydrolase homolog (X)	U82761	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2217	cytidine monophosphate kinase CMP mRNA, (=AF259961.1)		0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2218	selenoprotein T(LOC51714)	NM_016275.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2219	eukaryotic translation initiation factor 2 alpha kinase	AF110146	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2220	eukaryotic translation initiation factor 2, subunit	gi4758255	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2221	eukaryotic translation initiation factor 3, subunit	NM_003758.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2222	EUKARYOTIC TRANSLATION INITIATION FACTOR	spP55010	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2223	fasciculation and elongation protein zeta 2 (zyg)	NM_005102.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2224	homolog of rat elongation factor p18 (P18)	NM_004280.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2225	mitochondrial translational release factor 1	AF072934	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2226	translation initiation factor eIF-2alpha	U26032.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2227	translational inhibitor protein p14.5 (UK114) = X	NM_005836.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2228	translin associated protein X	X95073	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2229	Tu translation elongation factor, mitochondrial (T)	NM_003321.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2230	unr protein (=AB020692 KIAA0885)	AF077054.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2231	arginyl-tRNA synthetase (RARS)	NM_002887.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2232	5.8S ribosomal RNA	J01866.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2233	mitochondrial ribosomal protein S11 (MRPS11), Hs.	111286	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2234	mitochondrial ribosomal protein S33 (MRPS33), Hs.	83006	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2235	PRO1181 (=ribosomal protein L29(RPL29))(= ce	AF116627.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2236	alpha-1-antitrypsin	K01396.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2237	amyloid beta precursor protein-binding protein 1, NM.	003905.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2238	antileukotriene factor-1 (=U51007 26S protease	: U24704	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2239	ATP-dependent metalloprotease YME1L (contai	AJ132637.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2240	matrix metalloproteinase 13 (collagenase 3) (M	NM_002427.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2241	matrix metalloproteinase 15 (membrane-insertec	NM_002428.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2242	matrix metalloproteinase 2 (gelatinase A, 72kD	XM_048244.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2243	matrix metalloproteinase 9 (gelatinase B, 92kD	XM_004994.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	2
2244	MB1 (=D29011 proteasome subunit X)	X95586	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2245	mitogen-activated kinase kinase kinase 5 (MAPK	U67156	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2246	peptidase homolog	AF010141	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2247	plasminogen activator inhibitor-1	J03764	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2248	proteasome activator hPA28 subunit beta	D45248	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2249	proteasome subunit p42	D78275	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2250	protein associated with Myc (=AB020723 KIAA0	AF075587.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2251	protein associated with PRK1 (AWP1), mRNA /c	Hs.83954	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2252	protein regulator of cytokinesis 1 (PRC1)	NM_003981.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2253	sorting nexin 14 (SNX14)	AF121863.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2254	sorting nexin 4	AF065485	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2255	sorting nexin 5 (SNX5)	AF121855.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2256	sorting nexin 7 (SNX7)	AF121857.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2257	TIMP3 tissue inhibitor of metalloproteinases-3	X76227	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2258	BRCA1 associated protein 1 (BAP1)	AF045581	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2259	coated vesicle membrane protein (RNP24)	NM_006815.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2

2260 F-box protein 7 (FBX7)	NM_012179.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2261 KDEL receptor(Xenopus laevis)	AL035081	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2262 peroxisomal biogenesis factor 12 (PEX12)	NM_000286.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2263 peroxisomal D3,D2-enoyl-CoA isomerase (PECI)	AF153612	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2264 peroxisomal enoyl-CoA hydratase-like protein (HU16660)		2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2265 peroxisomal farnesylated protein (PXF)	NM_002857.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2266 rapamycin-binding protein (FKBP25) (=M90309)	M90820	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2267 signal recognition particle (SRP54)	U51920	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2268 signal recognition particle 72kD (SRP72)(ORF)	NM_006947.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2269 stimulator of TAR RNA binding (SRB) (=AF0262)	U38846	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2270 ubiquitin conjugating enzyme, Ubch6	X92963	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2271 ubiquitin C-terminal hydrolase UCH37 (UCH37)	AF147717.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2272 ubiquitin hydrolyzing enzyme I (UBH1)	AF022789	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2273 ubiquitin-52 amino acid fusion protein	X56998.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2274 ubiquitin-conjugating enzyme E2D 3 (homolog)	NM_003340.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2275 ubiquitin-conjugating enzyme E2L 6 (UBE2L6) =	NM_004223.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2276 ubiquitin-conjugating enzyme Ubch2	Z29331	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2277 ubiquitously-expressed transCRIPT (UXT)(ORF)=	NM_004182.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2278 WDR1 protein	AF020260	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2279 bithoraxoid-like protein (BLP)(= HSPC162 protei	AF165516.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2280 glioma-amplified sequence-41 (GAS41)	NM_006530.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2281 MAT-1 oncogene (HUMMAT1H) (=PEA15)	NM_013287.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2282 methyl-CpG binding protein 1 (MBD1)	AF120982.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2283 methyl-CpG binding protein MBD4	AAC68879.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2284 33 kDa transcriptional co-activator (CRSP33) (=I	NM_004270.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2285 ataxia telangiectasia and Rad3 related (ATR)	NM_001184.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2286 B cell RAG associated protein (BRAG) (=AB011	AF026477	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2287 B-cell CLL/lymphoma 6 (zinc finger protein 51) (I	NM_001706.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2288 bromodomain adjacent to zinc finger domain, 2A	NP_038477.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2289 CAAT-box DNA binding protein subunit B (NF-Y)	X59710	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2290 CAG-lsl 7	U16738.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2291 CBF1 interacting corepressor CIR (=U03644.1 r	AF098297.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2292 CCR4-associated factor 1 (POP2)	AF053318	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2293 cellular oncogene c-fos (=K00650)	V01512	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2294 chromatin-specific transCRIPTION elongation fact	AF152961.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2295 class I histone deacetylase (HDAC8)	AF230097.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2296 ets variant gene 5 (ets-related molecule) (ETV5)	NM_004454.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2297 GC box binding protein	D31716	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2298 hepatocellular carcinoma novel gene-3 protein (I	NM_016651.2	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2299 HMG-2	X62534.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2300 Id2 protein (Id-2)	M69293.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2301 interferon regulatory factor 2 (IRF2)	NM_002199.2	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2302 jun D proto-oncogene (JUND)	NM_005354.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2303 kaiso (ZNF-kaiso)	gi5803228	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2304 KRAB domain zinc finger protein (ZFP37)	AF022158	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2305 mel transforming oncogene (derived from cell lin	NM_005370.2	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2306 microphthalmia-associated transcription factor (I	NM_000248.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2307 NF-kappa-B transCRIPTION factor p65 subunit	L19067	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2308 nuclear factor NF-IL6	X52560.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2309 nuclear factor of activated T-cells, cytoplasmic 4	NM_004554.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2310 promyelocytic leukemia zinc finger protein (PLZF	AF060568	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2311 putative transCRIPTION factor, partial	AJ009770	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2312 RE1-silencing transCRIPTION factor (REST)	NM_005612.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2313 retinoblastoma-binding protein 1; RBP1 (RefSeq	NP_002883.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2314 retinoblastoma-binding protein 2 (RBBP2)	NM_005056.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2315 SEF2-1A protein (SEF2-1A)	M74718.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2316 seven in absentia (Drosophila) homolog 1 (SIAH	NM_003031.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2317 small zinc finger-like protein (DDP2)	AF150087.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2

2318	target of myb 1 (TOM1)	AJ006973.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2319	TG-interacting factor (TALE family homeobox) (1NM_003244.1		0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2320	thyroid hormone receptor-associated protein con AF117756.1		0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2321	thyroid receptor interactor trip15	AF100762.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2322	transcription elongation factor A (SII)-like 1	M99701	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2323	transcription factor ETR101	M62831	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2324	transcription factor IIB	AF093680	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2325	transcription factor TFIID subunit TAFII28	X83928	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2326	transcription factor WSTF (=AF084479 William AF072810		0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2327	zinc finger protein (MAZ) (=KNSL4, MAZ)	M94046.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2328	zinc finger protein (ZFD25) (62% aa)	AB027251	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2329	zinc finger protein 137 (ZNF137)	NM_003438.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2330	zinc finger protein 261 (ZNF261) (=AB002383 Kig4827066		2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2331	zinc finger protein 264 (ZNF264), mRNA /cds=(3 Hs.117077		0	0.00%	0	0.00%	0	0.00%	1	0.01%	2
2332	zinc finger protein ZNF140-like protein (LOC558:NM_018443.1		0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2333	zinc-finger DNA-binding protein	D45132	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2334	mago-nashi (Drosophila) homolog, proliferation-; NM_002370.1		0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2335	cleavage and polyadenylation specificity factor 7 AF171877.1		1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2336	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide NM_004939.1		1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2337	double-stranded RNA-binding nuclear protein NF AF167569.1		0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2338	endonuclease/reverse transcriptase [Mus musc AAC53542.1		0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2339	M5-14 protein (LOC51300)	NM_016589.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2340	nuclear matrix protein NMP200 related to splicing; NM_014502.1		0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2341	Nuclear protein SA-2 (=STAG2)	Z75331.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2342	nucleic acid binding protein sub2.3	Z29505	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2343	polyA site DNA	Z24724.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2344	RNA binding motif protein 6 (RBM6)	NM_005777.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2345	RNA binding motif protein 7	AF156098.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2346	RNA binding motif protein 8 (RBM8) (=AF16146:gi4826971		0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2347	RNA binding protein 15.5 kD	AF155235	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2348	RNA helicase II/Gu protein	AF261917.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2349	RNA-directed DNA polymerase (EC	pirS21976	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2350	small nuclear ribonucleoprotein polypeptide B* (:NM_003092.1		0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2351	small nuclear RNA (U2)	L37793.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2352	SNAP-23	U55936	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2353	splicing factor 3a, subunit 3, 60kD (SF3A3)	NM_006802.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2354	splicing factor arginine/serine-rich 7 (SFRS7) ge L41887.1		1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2355	splicing factor similar to dnaJ (SPF31)	NM_014280.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2356	splicing factor SRp30c gene	U87279.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2357	splicing factor, arginine/serine-rich 7 (35kD) (SFI NM_006276.2		2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2358	U2 small nuclear ribonucleoprotein auxiliary fact NM_005083.1		0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2359	U4/U6-associated RNA splicing factor (HPRP3P NM_004698.1		0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2360	U5 snRNP-associated 102 kDa protein	AF221842.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2361	mitochondrial 12S and 16S rRNA	J01438	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2362	pre-mRNA cleavage factor I subunit	AJ001810	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2363	pre-mRNA cleavage factor Im (68kD) (CFIM) (=) 5901927		0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2364	pre-mRNA splicing factor SF2p32	M69039	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2365	RNA polymerase I 40kD subunit	AF047441	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2366	RNA polymerase II transcription factor SIII p18 L42856		2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2367	RPB5-mediated protein (RefSeq aa 3e-33)	NP_003787.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2368	MN/CA9	Z54349	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2369	class II invariant gamma-chain	X03340	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2370	COT kinase proto-oncogene	AF133211.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2371	EBNA-2 co-activator (100kD) (p100)	NM_014390.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2372	immunoglobulin light chain (lambda) (=D80009 KID87018		0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2373	immunoglobulin heavy-chain	AB019441.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2374	Jk-recombination signal binding protein (RBPJK) L07872		0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2375	male-specific lethal-3 (Drosophila)-like 1 (MSL3L NM_006800.1		0	0.00%	0	0.00%	1	0.01%	1	0.01%	2

2376	MHC class I HLA-B51 haplotype A2, B27/B51, C1	M28205.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2377	MHC class I HLA-Bw62	M28204.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2378	PC326 protein (PC326)	NM_018442.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2379	recombination activating protein (RAG2)	M94633	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2380	strain ECOR 52 rfd operon	AF053954.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2381	brain and reproductive organ-expressed (TNFR)	NM_004899.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2382	ALEX3 protein (ALEX3)	NM_016607.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2383	antigen identified by monoclonal antibody Ki-67	NM_002417.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2384	Centrosome- and Golgi-localized PKN-associate	AB019691.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2385	DnaJ-like protein (Hsj2)	AF055664	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2386	hepatocellular carcinoma-associated antigen 58	NM_016436.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2387	MAGE tumor antigen D1 (MAGE-D1)	AF124440.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2388	modulator recognition factor 2 (MRF-2)	M73837.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2389	nuclear protein stromal antigen 1 (SA-1)	NM_005862.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2390	paraneoplastic antigen MA1 (PNMA1)	NM_006029.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2391	partial CHI3L1 gene for cartilage glycoprotein-39	AJ251847.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2392	stress protein Herp, = KIAA0025	AB034989	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2393	sulfotransferase family, cytosolic, 1A, phenol-pre	NM_003166.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2394	T-cell activation protein (PGR1) gene	AF116272.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2395	T-cluster binding protein	D64015.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2396	Alg5, S. cerevisiae, homolog of (ALG5) (=AF161	NM_013338.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2397	B-factor, properdin (RefSeq aa 5e-30)	NP_001701.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2398	cytovillin 2 (VIL2) (=X51521 ezrin)	J05021	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2399	lysosomal sialoglycoprotein	D12676.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2400	beta-subunit signal transducing proteins GS/GI	(AF070597	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2401	epithelial membrane protein-3 (=U52101 YMP; L	X94771	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2402	globin alpha	M69023	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2403	integral membrane serine protease Seprase	U76833	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2404	LIM domain only 4 (LMO4)	gi7108354	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2405	multispanning membrane protein	U94831	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2406	PLASMA-CELL MEMBRANE GLYCOPROTEIN	P22413	0	0.00%	1	0.01%	0	0.00%	0	0.00%	2
2407	pM5 protein (PM5)	NM_014287.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2408	progesterone receptor membrane component 2 (Hs.9071		0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2409	secretory carrier membrane protein 1 (SCAMP1)	NM_004866.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2410	Translocase of outer mitochondrial membrane 7	NM_014820.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2411	transmembrane glycoprotein (CD44 gene)	AJ251595.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2412	transmembrane protein Jagged 1 (HJ1)	AF028593.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2413	mulL homolog 1 (RefSeq aa 4e-76)	NP_000240.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2414	DNA/RNA-binding protein	U20272.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2415	RAD50	Z75311	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2416	adenylate kinase 1 (hAK1)	AB021871.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2417	adenylate kinase 3 alpha (AK3)	AB021870	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2418	C1-inhibitor	X54486	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2419	carbonyl reductase 1 (CBR1)	NM_001757.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2420	coagulation factor V (proaccelerin, labile factor)	(NM_000130.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2421	glutathione peroxidase 4 (phospholipid hydroper	NM_002085.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2422	glutathione-S-transferase like; glutathione transfr	Hs.11465	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2423	gp25L2 protein	X90872	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2424	metallothionein isoform 1R	X97261.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2425	MITOCHONDRIAL THIOREDOXIN-DEPENDEN	spP30048	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2426	peroxiredoxin 5 (PRDX5), mRNA /cds=(36,680), Hs.31731		0	0.00%	0	0.00%	0	0.00%	1	0.01%	2
2427	thioredoxin-like, 32kD (TXNL)	NM_004786.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2428	truncated SON protein (Son) (=AF161430.1 HSF	AF193607.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2429	von Willebrand factor (=X04385)	M10321	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2430	Arfaptin 2 (partner of RAC1) (POR1)	NM_012402.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2431	Arf-like 2 binding protein BART1	AF126062.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2432	clathrin heavy chain (=D21260 human hypotheti	J03583	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2433	sodium-dependent multivitamin transporter (SM	AF116241.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2

2434 synaptic glycoprotein SC2 spliced variant	AF038958	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2435 synaptobrevin-like 1 (SYBL1)	gi5032136	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2436 ch-TOG protein (=D43948.1 KIAA0097)	X92474.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2437 centrin 3; <i>Saccharomyces cerevisiae</i> CDC31 hon	NP_004356.1	0	0.00%	3	0.02%	0	0.00%	0	0.00%	2
2438 CGI-09 protein	AF132943.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2439 CGI-104 protein (=AF078862.1 PTD009)	AF151862.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2440 CGI-107 protein	AF151865.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2441 CGI-108 protein (LOC51013)	NM_016046.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2442 CGI-132 protein	AF151890.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2443 CGI-141 protein	AF151899.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2444 CGI-30 protein (=Z49907 <i>c.elegans</i> diphthine sy	AF132964.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2445 CGI-60 protein (LOC51626),	NM_016008.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2446 CGI-61 protein	AF151819.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2447 CGI-72 protein (RefSeq aa 2e-90)	NP_057102.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2448 CGI-75 protein (RefSeq aa 4e-57)	NP_057104.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2449 CGI-81 protein	AF151839.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2450 CGI-82 protein	AF151840.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2451 CGI-83 protein (LOC51110)	NM_016027.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2452 CGI-97 protein	AF151855.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2453 cytoplasmic dynein intermediate chain 2 (Dncic2	AF063231	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2454 cytoplasmic intermediate filament protein	AJ004935.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2455 Dynein intermediate chain 2, cytosolic (dh ic-2) (	spO88487	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2456 golgin-like protein (GLP) gene (=U61167.1 SH3 c	AF266285.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2457 kinesin family member 4 (KIF4), mRNA	NM_012310.2	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2458 microtubule-associated protein 1a (MAP1A)	U38292.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2459 MICROTUBULE-ASSOCIATED PROTEIN 1B [C	P46821	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2460 NC2 alpha	X96506.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2461 Norrie disease protein (NDP)	X65882	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2462 collagen-binding protein 2 (collagen 2) (CBP2)	NM_001235.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2463 entactin	X14194	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2464 epsilon-sarcoglycan	AJ000534.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2465 hematopoietic proteoglycan core protein (=M900: X	17042	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2466 osteonidogen (=AJ223500 nidogen-2)	D86425	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2467 STIP1 homology and U-Box containing protein 1	NM_005861.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2468 tenascin	X56160	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2469 lymphocyte cytosolic protein 1 (L-plastin) (LCP1;	NM_002298.2	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2470 actin binding protein MAYVEN	AF059569.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2471 actin depolymerizing factor	S65738	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2472 adapter protein CMS	AF146277.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2473 alpha-actinin-2 associated LIM protein	AF002282	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2474 CRystallin, zeta (quinone reductase)-like 1 (CRY	NM_005111.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2475 cytoplasmic dynein heavy chain (=AB002323 Hu	D13896	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2476 gamma adducin	Y14379.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2477 keratin 18 (K18)	M24842	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2478 plakophilin 2b (ORF)	X97675	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2479 profilin	J03191	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2480 utrophin (homologous to dystrophin) (UTRN)	NM_007124.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2481 actin related protein 2/3 complex, subunit 3 (21	Hs.6895	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2482 muscle-specific protein (LOC51778)	NM_016599.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2483 myosin X (MYO10)	AF247457.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2484 myosin, heavy polypeptide 3, skeletal muscle, ei	XM_052579.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2485 myotubularin related protein 6	AF072928	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2486 integral inner nuclear	NM_014319.2	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2487 lamin A/C (LMNA)	XM_044160.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2488 nucleoporin p54	U63840	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2489 plectin (PLEC1)	U63610	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2490 aryl hydrocarbon receptor-interacting protein (Ail	NM_003977.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2491 Toll-like receptor 2 (TLR2) mRNA, (ORF)	U88878	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2



2492	Toll-like receptor 4 (TLR4)	U88880	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2493	B219/OB receptor isoform HuB219.1	U52912	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2494	bone morphogenetic protein receptor, type IA (B	NM_004329.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2495	Ets transCRiption factor (NERF-2)	U43188	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2496	Fc-gamma-receptor IIIB (FCGR3B)	M90746	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2497	G protein gamma 5 subunit	AF038955.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2498	G protein-coupled receptor 69A (GPR69A) (=p4	NM_006055.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2499	histamine N-methyltransferase(HNMT)	U08092	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2500	h-ryk	X69970.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2501	interferon gamma receptor 1 (IFNGR1) (ORF)	NM_000416.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2502	interferon gamma receptor accessory factor-1 (A	U05877	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2503	interleukin 16 (IL16)	AF077011	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2504	mannose receptor, C type 1 (MRC1)	NM_002438.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2505	nuclear receptor coactivator 3 (NCOA3)	NM_006534.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2506	nuclear receptor co-repressor 1 (NCOR1)	NM_006311.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2507	nuclear receptor subfamily 4, group A, member	NM_006186.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2508	nuclear RNA helicase, DECD variant of DEAD b	NM_005804.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2509	PAR3 (PAR3)	AF252293.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2510	peripheral benzodiazepine receptor-associated	NM_004758.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2511	platelet-derived growth factor A chain (PDGFA)	(M83575	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2512	PMEPA1 protein (PMEPA1)	NM_020182.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2513	retinoic acid-binding protein II (CRABP-II) (=M68	M97814	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2514	RYK tyrosine kinase	S59184.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2515	TRIP6 (thyroid receptor interacting protein) (=AF	AJ001902	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2516	v-jun avian sarcoma virus 17 oncogene homolog	NM_002228.2	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2517	xenotropic and polytropic murine leukemia virus	AF089744.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2518	14-3-3 protein, a protein kinase regulator	X56468	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2519	bifunctional ATP sulfurylase/adenosine 5'-phosp	AF033026.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2520	calmodulin-dependent protein phosphatase cata	L14778	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2521	ERK activator kinase (MEK2)	L11285	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2522	mitogen-responsive phosphoprotein DOC-2	U53446	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2523	protein kinase C, mu (PRKCM)	NM_002742.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2524	serine-threonine protein kinase (MNBH)	AF108830.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2525	cAMP-specific phosphodiesterase 8B (PDE8B)	AF079529	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2526	cGMP phosphodiesterase	X62695	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2527	monoamine oxidase B (MAOB)	NM_000898.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2528	A kinase (PRKA) anchor protein 2 (AKAP2)(= Kl.	NM_007203.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2529	associated molecule with the SH3 domain of ST.	NM_006463.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2530	adenomatosis polyposis coli (APC)	gi4557318	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2531	breakpoint cluster region (BCR) gene	U07000.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2532	brefeldin A-inhibited	NM_006421.2	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2533	dexamethasone-induced ras-related protein 1 (D	AF262018.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2534	guanine nucleotide exchange factor p532	U50078	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2535	GUANINE NUCLEOTIDE-BINDING PROTEIN B spP	25388	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2536	low-Mr GTP-binding protein (RAB32)	U59878	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2537	MAD-3 (IkB-like activity)	M69043	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2538	N-acetylneuraminic acid phosphate synthase; si	NM_018946.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2539	nucleolar GTPase (HUMAUAUTIG)	NM_013285.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2540	Rab5-interacting protein	AF112213.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2541	Rab9 effector p40	Z97074	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2542	Ran_GTP binding protein 5	Y08890.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2543	Ras suppressor protein 1(RSU1),(= RSU-1/RSP	NM_012425.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2544	Rho guanine nucleotide exchange factor (GEF)	NM_004706.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2545	Rho guanine nucleotide-exchange factor, splice	AJ010045.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2546	Rho-associated, coiled-coil containing protein kir	NM_005406.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2547	SH3 binding protein	AB005047	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2548	SH3-domain binding protein 5 (BTK-associated)	NM_004844.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2549	signal transducing adaptor molecule (SH3 doma	NM_003473.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2

2550	small GTP-binding protein rab22b	AF183421.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2551	Src-like-adaptor (SLA)	NM_006748.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2552	adrenal specific pG2 (=U15981 dlk)	X17544	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2553	novel antagonist of FGF signaling (sprouty-1)	AF041037.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2554	abundant in neuroepithelium area (BTG3) (=D64 gi5802989		0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2555	bone morphogenetic protein 5 (BMP5)	NM_021073.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2556	bone morphogenetic protein-3b gene	D49493.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2557	folistatin	M19480	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2558	glioblastoma amplified sequence (GBAS)	AF029786	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2559	growth associated protein 43 (GAP43)	NM_002045.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2560	hepatocyte growth factor activator inhibitor type 1	AB006534	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2561	hepatoma-derived growth factor	D16431	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2562	high-risk human papilloma viruses E6 oncoproteins	AF090989.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2563	interferon-gamma	U10360	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2564	macrophage-specific colony-stimulating factor (CSF-1)	C37435.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2565	midkine (neurite growth-promoting factor 2) (MDI)	gi4505134	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2566	monocyte chemotactic protein-3 (MCP-3)	X72308	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2567	neuromedin B	M21551	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2568	p8 protein (candidate of metastasis 1) (P8)	NM_012385.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2569	polydrom protein	AAG32160.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2570	SKI-INTERACTING PROTEIN (RefSeq aa 7e-5f NP_036377.1		0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2571	uncharacterized bone marrow protein BM042 (BIN)	NM_018458.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2572	cullin 5 (CUL5)	NM_003478.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2573	ADP-ribosylation factor 6 (ARF6)	NM_001663.2	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2574	ADP-ribosylation factor domain protein 1, 64kD (ARF1)	NM_001656.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2575	ADP-ribosylation factor[arf]-directed GTPase actin	gi4502248	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2576	ADP-ribosylation factor-like 3 (ARL3)	NM_004311.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2577	calyculin binding protein	AF057356.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2578	FE65-like protein (hFE65L)	U62325.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2579	hepatocyte growth factor-like protein homolog (HGF)	U28055	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2580	monocyte/neutrophil elastase inhibitor	AF053630	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2581	poly (ADP-ribose) polymerase (=J03473; M2978 M18112		2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2582	chloride channel nucleotide-sensitive, 1A (CLNS)	NM_001293.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2583	ecotropic viral integration site 5 (EVI5)	NM_005665.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2584	JTV-1 (JTV-1)	U24169	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2585	membrane protein, type II clone:HP10390	AB015631.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2586	membrane protein-like protein	U21556	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2587	potassium voltage-gated channel, delayed-rectifier	NM_002252.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2588	stomatin-like protein 2 (SLP-2)	NM_013442.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2589	voltage-dependent anion channel isoform 2 (VDAC)	AF152227.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2590	MacMarcks	X70326	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2591	mast cell carboxypeptidase A	M27717	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2592	cell adhesion protein (vitronectin) receptor alpha	M14648	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2593	goliath protein	AF155650.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2594	integrin alpha-11 subunit precursor (ITGA11)	AF109681.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2595	integrin, alpha V (vitronectin receptor, alpha polypeptide)	NM_002210.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2596	platelet/endothelial cell adhesion molecule-1 (PECAM-1)	L34657	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2597	protocadherin 43 gene	AF119570	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2598	TRAF and TNF receptor associated protein (TRAF)	AJ269473.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2599	chromodomain helicase DNA binding protein 4 (CHD4)	NM_001273.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2600	chromodomain protein, Y chromosome-like (CDY)	NM_004824.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2601	chromosome-associated polypeptide C (CAP-C)	NM_005496.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2602	Gu protein = PC6010 RNA helicase Gu	U41387.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2603	histone acetyltransferase (HBOA)	NM_007067.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2604	histone acetyltransferase (MORF), (ORF)	NM_012330.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2605	histone deacetylase 2 (HDAC2) (=U31814 transcribed)	gi4557640	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2606	histone macroH2A1.2	AF054174	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2607	non-histone chromatin protein HMG1 (HMG1) gene	U51677.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2

2608	SCG10 like-protein, helicase-like protein NHL, MAF217796.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2609	telomerase binding protein p23 (LOC56351) NM_019766.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2610	menage a trois 1 (CAK assembly factor) (MNAT NM_002431.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2611	camptothecin resistant clone CEM/C2 DNA topo U07806.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2612	cdc14 homologue AF000367	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2613	CDC28 protein kinase 2 (CKS2) 4502858	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2614	cell cycle protein (PA2G4) gene AF104670.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2615	cell division cycle 20, S.cerevisiae homolog (CD NM_001255.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2616	cullin 2 (CUL2) AF126404.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2617	dedicator of cytokinesis 1 (DOCK1) NM_001380.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2618	DNA for (CGG)n trinucleotide repeat region, isol: AJ001216.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2619	G1 to S phase transition 1 (GSPT1) XM_055673.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2620	growth arrest-specific 6 (GAS6) NM_000820.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2621	growth arrest-specific 7 (GAS7), transCRipt vari: 5360211	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2622	GTP-binding protein RAB21 (RAB21) = KIAA011AF091035	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2623	MAC30 L19183	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2624	rhoB M74295	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2625	Topoisomerase I CAA18536.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2626	X-linked nuclear protein (ATRX) AF000160	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2627	API5-like 1 (API5L1) NM_006595.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2628	beclin 1 (BECN1)mRNA, (=beclin 1 (coiled-coil, AF139131.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2629	BNIP3L AB004788.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2630	CASP8 associated protein 2 (RefSeq aa 2e-87) NP_036247.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2631	CED-6 protein (CED-6) NM_016315.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2632	dual-specificity protein phosphatase U15932.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2633	neuronal apoptosis inhibitory protein U19251	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2634	NOD1 protein (NOD1) gene AF149773.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2635	programmed cell death 6 (PDCD6) NM_013232.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2636	45kDa splicing factor AF083384	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2637	KH-type splicing regulatory protein (KHSRP) NM_003685.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2638	polymerase (DNA-directed) kappa (POLK), mRN Hs.135756	1	0.01%	1	0.01%	0	0.00%	1	0.01%	2
2639	polymerase (RNA) II (DNA directed) polypeptide NM_006234.1	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2640	Replication factor C (activator 1) 4 (37kD) NM_002916.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2641	replication protein A1 (70kD) (RPA1) NM_002945.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2642	replication protein A2 (32kD)(RPA2) NM_002946.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2643	anaphase-promoting complex subunit 4 (APC4) NM_013367.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2644	cell division control protein 16 (CDC16) mRNA, c AF164598.1	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2645	cysteine and glycine-rich protein 2 (CSRP2) (cor U95018	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2646	Notch2-like (Notch2l) NM_008715.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2647	p53 regulated PA26 nuclear protein (PA26) NM_014454.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2648	proto-oncogene (Wnt-5a) L20681.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2649	Pro-X carboxypeptidase precursor (RefSeq aa 7 NP_005031.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2650	ras inhibitor M37190	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2
2651	SEPTIN 2 HOMOLOGUE (SEP2) Q14141	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2652	tumor antigen SLP-8p (HCC8)= AF102177.1(OR NM_016516.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2653	tumor differentially expressed 1 (RefSeq aa 1e-7 NP_006802.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2654	tumor necrosis factor alpha-induced protein 6 (T NM_007115.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2655	tumor neCrosis factor receptor M58286	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2656	tumor necrosis factor(ligand) superfamily, memb NM_003810.1	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2657	tumor protein D52 (TPD52)(= N8=tumor express NM_005079.1	0	0.00%	1	0.01%	1	0.01%	0	0.00%	2
2658	tumor suppressor protein (101F6), putative AF040704	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2659	tumor susceptibility protein (TSG101) U82130	1	0.01%	0	0.00%	0	0.00%	1	0.01%	2
2660	integral type I protein NM_007364.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2661	musculus DnaJ-like protein 1 (Dnaj11) NM_007869.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	2
2662	PROBABLE ARP2/3 COMPLEX 20 KD SUBUNIT spQ18491	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2663	protein kinase NY-REN-64 antigen (LOC51135) NM_016123.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2664	semipalmatus 18S ribosomal RNA gene, comple AF173638.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2665	19 kDa subunit of NADH (complex I) X59697	2	0.01%	0	0.00%	0	0.00%	0	0.00%	2

2666	proteasome (prosome macropain) activator subunit	NM_002818.1	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2667	proteasome subunit p45 26S	D44467	1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2668	F-box only protein 2 (FBXO2)	NM_012168.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2669	ubiquitin specific protease	NM_004505.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2670	transcription factor ZFM1 (=L49380;L49345;Y0 D26120		1	0.01%	0	0.00%	1	0.01%	0	0.00%	2
2671	RNA for Golgi protein (GPP34 gene)	AJ296152.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	2
2672	dnchc2 cytoplasmic dynein heavy chain	AB041881.1	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2673	kinesin family member 3B (KIF3B) (=KIAA0359)	NM_004798.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	2
2674	CAK1 mRNA for Cdk-activating kinase=cyclin-de	X77303	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2675	guanylate binding protein isoform 1 (GBP-2)	M55542	0	0.00%	0	0.00%	2	0.02%	0	0.00%	2
2676	CYTOCHROME C OXIDASE POLYPEPTIDE VI	P09669	0	0.00%	0	0.00%	0	0.00%	2	0.01%	2
2677	solute carrier family 16 (monocarboxylic acid tra	NM_004731.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	2
2678	eukaryotic translation initiation factor 4B (EIF4B)	NM_001417.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2679	mitogen inducible gene mig-2	Z24725	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2680	metallothionein	X97260	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2681	nucleoplasmin-3 (NPM3)	AF081280	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2682	ATP SYNTHASE COUPLING FACTOR 6, MITO	spP18859	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2683	cytochrome c oxidase COX subunit IV (COX IV)	M21575	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2684	aminopeptidase PILS (APPILS)	AF183569.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2685	heat shock protein, DNAJ-like 2 (HSJ2)	NM_001539.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2686	cytochrome P450 (CYP1A2)	M31667	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2687	integral membrane protein Tmp21-I (p23)	AJ004913.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2688	cadherin 11, OB-cadherin(osteoblast) (CDH11);	NM_001797.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2689	solute carrier family 4, anion exchanger, membe	NM_005070.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2690	beta-galactosidase (GLB1)	M34423.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2691	protein phosphatase 2A 130 kDa regulatory sub	L07590	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2692	5' cap guanine-N-7 methyltransferase (RNMT)	AF067791.1	0	0.00%	0	0.00%	1	0.01%	1	0.01%	1
2693	calcineurin A1	M29550.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2694	baculoviral IAP repeat-containing 6 (BIRC6)	NM_016252.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2695	PTD019 (=HSPC203)	AF226729.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2696	spastic paraplegia 4	NM_014946.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2697	uncharacterized protein	AK002062	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2698	a disintegrin and metalloproteinase domain 28 (/	NM_014265.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2699	procollagen-proline, 2-oxoglutarate4-dioxygenas	NP_000908.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2700	proteasome (prosome, macropain) 26S subunit	NM_002816.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2701	c-maf long form	AF055377.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2702	Kruppel-like zinc finger protein Zf9	AF001461	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2703	Tat-interacting protein (30kD) (TIP30)	5454125	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2704	zinc finger protein	L16896	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2705	zinc finger protein 22 (KOX 15) (RefSeq aa 1e-4	NP_008894.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2706	ribonucleoprotein gene 60-kD SS-A/Ro D8	U44388.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2707	betaglycan (TBR III gene)	AJ251961.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2708	Estrogen receptor 1 (ESR1)	NM_000125.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	1
2709	glucocorticoid-induced leucine zipper GILZ prote	AF024519	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2710	activated leucocyte cell adhesion molecule (ALC	NM_001627.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2711	BCL2-associated athanogene 3 (BAG3), mRNA	Hs.15259	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2712	fetal liver cDNA library	AI133292.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2713	unnamed protein product	BAB15083.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2714	solute carrier family 16 (monocarboxylic acid tra	gi4759113	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2715	muscle-type phosphofructokinase (PFK-M) gene	M59741	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2716	protein tyrosine phosphatase (PRL-1)	L39000	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2717	5-lipoxygenase activating protein (FLAP) (arach	M63262.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2718	NADH dehydrogenase (ubiquinone) 1 alpha sub	NM_004542.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2719	SUCCINATE DEHYDROGENASE [UBIQUINON	spP31040	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2720	translation initiation factor IF2 (IF2)(ORF)	NM_015904.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2721	PROTEASOME THETA CHAIN (MACROPAIN T	spP49720	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2722	general transcription factor IIE, polypeptide 2	NM_002095.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2723	hematopoietic-derived zinc fingerprotein (RefSeq	NP_004867.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1

2724	zinc finger protein 208(ZNF208)	NM_007153.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2725	ZNF202 beta (ZNF202)	AF027219	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2726	pirin (PIR)	gi4505822	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2727	U6 snRNA	X59362	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2728	RNA polymerase II subunit	U37690.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2729	mitochondrial ribosomal protein L20 (MRPL20), i	XM_027716.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2730	MHC class I HLA-C-alpha-2 chain	M24097	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2731	beta-preprotachykinin	X54469.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2732	pre-B-cell colony-enhancing factor (PBEF)	NM_005746.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2733	adaptor-related protein complex 3, beta 1 subunit	NM_003664.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2734	transmembrane 4 superfamily member (tetraspa	NM_012338.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2735	adaptor-related protein complex 3, delta 1 subun	NM_003938.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2736	seven transmembrane domain protein (NIFIE14)	NM_006326.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2737	DNA topoisomerase III	U43431.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2738	SWI/SNF related, matrix associated, actin deper	NP_003061.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2739	methyltransferase (H4SJ4442)	NM_017528.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2740	collagen binding protein 2	D83174.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2741	syndecan-1 gene (exons 2-5)	Z48199.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2742	CC-chemokine receptor(CCR-5) gene, delta-32 ;	AF009962.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2743	interferon, alpha-inducible protein 27(RefSeq aa	NP_005523.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2744	mitogen-activated protein kinase 6 (MAPK6)	NM_002748.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2745	MAD (mothers against decapentaplegic, Drosopi	NM_005904.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2746	developmentally regulated GTP-binding protein ;	X80754	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2747	melanoma differentiation associated (mda-6)= L	U09579.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2748	ADP-ribosylation factor-like 1 (ARL1)	NM_001177.2	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2749	mannose-specific lectin (MR60)	U09716.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2750	postmeiotic segregation increased 2-like 8 (RefS	NP_005385.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2751	spindlin (Spin)	NM_011462.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2752	p53 binding protein	U82939.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2753	BRAIN PROTEIN I3	P28662	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2754	cerebellar degeneration-related protein (34kD) (	NM_004065.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2755	fetal brain oculocerebrorenal syndrome (OCRL1	U57627	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2756	fungal sterol-C5-desaturase homolog	D85181.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2757	HSPC280	AF161398.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2758	HSPC282	AF161400	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2759	hypothetical protein MGC3037 (MGC3037), mRf	Hs.301789	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2760	immature colon carcinoma transcript 1(RefSeq a	NP_001536.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2761	integral membrane protein type II (NKG2-D) (=U	AF001297	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2762	isolate Indonesian 79 type 299 mitochondrial cor	AF176203	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2763	KIAA0250 gene	NM_014837.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2764	KIAA0260 gene	D87449.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2765	KIAA0388	AB002386.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2766	KIAA0576 protein	AB011148.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2767	NTT gene (L1 Alu and MER 38 repeat regions)	U54776.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2768	ORF2-like protein	AAD04635.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2769	PMS2L13	AB017004.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2770	putative (LOC116228), mRNA	XM_057659.2	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2771	RAB, member of RAS oncogene family-like 2B (I	NM_007081.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2772	sushi-repeat protein (SRPUL)	NM_014467.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2773	VACUOLAR ATP SYNTHASE SUBUNIT H (V-A spO	15342	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2774	nicotinamide nucleotide transhydrogenase (NNT	NM_012343.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2775	palmitoylated membrane protein 3 (RefSeq aa	1.NP_001923.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2776	protein phosphatase 4 regulatory subunit 1 (PPF	NM_005134.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2777	POLY(A) POLYMERASE (PAP) (POLYNUCLEC	spP51003	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2778	ATP-citrate lyase	X64330	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2779	phosphatidic acid phosphatase type 2c (Ppap2c	AF123611.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2780	cytochrome c (HS7) processed pseudogene	M22893.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2781	mitochondrial 3-ketoacyl-CoA thiolase beta-subu	D16481.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1

2782	mitochondrial acetoacetyl-coenzyme A thiolase (D90228	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2783	mitochondrial elongation factor G L14684	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2784	mitochondrial F1FO-type ATPase subunit d AF087135.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2785	NADH dehydrogenase (ubiquinone) 1 alpha sub NP_004993.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2786	ubiquinol cytochrome-c reductase core I protein L16842	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2787	aspartyl protease(BACE2) mRNA, complete cds AF188277.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2788	carbaryl phosphate synthetase I AF154830.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2789	glutamine:fructose-6-phosphate amidotransferase M90516.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2790	selenium donor protein (selD) U34044	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2791	tousled-like kinase 1 (RefSeq aa 1e-49) NP_036422.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2792	peroxisomal biogenesis factor 3 (PEX3) NM_003630.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2793	peroxisome biogenesis disorder protein 1 (PEX1 AF026086	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2794	signal recognition particle receptor ('docking prot NM_003139.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2795	UBIQUITIN CARBOXYL-TERMINAL HYDROLASE sp075317	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2796	ubiquitin specific protease 11 (USP11) NM_004651.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2797	ASH2L (absent, small, or homeotic, Drosophila, NM_004674.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2798	c-myc gene 1001205A	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2799	colon Kruppel-like factor (CKLF) AF132818.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2800	general transcription factor IIF, polypeptide 1 (74 NM_002096.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2801	hedgehog-interacting protein (Hip) AF116865.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2802	HZF3 mRNA for zinc finger protein(ORF) X78926	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2803	Nef-associated factor 1(NAF1) mRNA NM_005058.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2804	retinoblastoma-binding protein 8 (RBBP8) NM_002894.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2805	transcription elongation factor S-II, hS-II-T1 D50495	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2806	transcription factor 4, Helix-loop-helix transcrip M65209	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2807	zinc finger protein (PRD51) gene U88082.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2808	Zinc-finger helicase (hZFH) U91543.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2809	capping enzyme (HCE) AF025654	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2810	cleavage and polyadenylation specific factor 4, 3 NM_005693.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2811	DEAD-box protein p72 (P72) U59321	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2812	TFIID subunit p22 D50544	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2813	U5 snRNP 100 kD protein AF026402.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2814	nasopharyngeal carcinoma susceptibility protein NP_037407.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2815	HLA-B gene (HLA-B*0801 allele), complete cds D83956.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2816	diphtheria toxin resistance protein required for dip NM_001383.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2817	heat-responsive protein 12 (Hrsp12) NM_008287.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2818	neuronal tissue-enriched acidic protein (NAP-22) AF039656	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2819	xeroderma pigmentosum complementation group NM_004628.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2820	carbonic anhydrase II (CA2) NM_000067.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2821	PKCq-interacting protein PICOT (PICOT) (ORF) AF118652	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2822	hect domain and RLD 3 (HERC3) NM_014606.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2823	33 kDa Vamp-associated protein (VAP33) AF044670	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2824	CGI-76 protein AF151834.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2825	ankyrin-like protein Y10601.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2826	F-actin capping protein beta subunit U03271	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2827	cardiac ventricular troponin C AF020769	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2828	tropomyosin isoform Z24727	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2829	22 kDa peroxisomal membrane protein-like (LOC NM_018663.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2830	angiotensin receptor 1 (AGTR1) NM_009585.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2831	dickkopf (Xenopus laevis) homolog 1 (DKK1) NM_012242.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2832	epidermal growth factor receptor substrate (eps1 U07707	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2833	FYN oncogene related to SRC, FGR, YES (FYN NM_002037.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2834	G protein Golf alpha gene U55184.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2835	glucocorticoid receptor alpha U25029.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2836	Homer, neuronal immediate early gene, 1B (SYN NM_004272.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2837	interferon, alpha-inducible protein (clone IFI-6-1f NM_002038.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2838	interleukin 6 signal transducer (gp130, oncostatin NM_002184.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2839	vesicle-associated soluble NSF attachment prote NP_006361.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1

2840	mitogen-activated protein kinase 7 (MAPK7)	NM_002749.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2841	phosphoenolpyruvate carboxykinase (PCK1) (clt L05144		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2842	serine/threonine protein phosphatase catalytic s1	NM_016294.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2843	serine-arginine-rich splicing regulatory protein SI	AAF37578.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2844	tyrosine kinase (HTK)	U07695	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2845	cAMP-specific phosphodiesterase 4D (PDE4DN: AJ250854.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2846	RAB23 protein (LOC51715)(HSPC137)	NM_016277.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2847	Rab3D (rab3d)	AF263366.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2848	alpha-amidating monooxygenase	AF010472	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2849	granulin (GRN)	NM_002087.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2850	monocyte chemoattractant protein 4	X98306	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2851	uncharacterized hematopoietic stem/progenitor c	NP_060936.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2852	ADP-ribosyltransferase (NAD ; poly (ADP-ribose gi5915659		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2853	calgizzarin (=D49355 S100C protein; X80201 MI D38583		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2854	ABC transporter umat (ABCB6 gene)(= MT-ABC AJ289233.2		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2855	heme-regulated eukaryotic initiation factor 2 alpt	AF255050.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2856	potassium inwardly-rectifying channel, subfamily NP_002236.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2857	PAK-interacting exchange factor beta (P85SPR)	NM_003899.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2858	Heterochromatin protein 1 gamma	AB030905.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2859	histone deacetylase 6 (KIAA0901)	NM_006044.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2860	histone stem-loop binding protein (SLBP)	U75679	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2861	RecQ protein-like (DNA helicase Q1-like) (RECC	NM_002907.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2862	CYCLIN A/CDK2-ASSOCIATED PROTEIN P19	spP34991	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2863	polymerase (RNA) II (DNA directed) polypeptide NP_000929.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2864	10kD protein (BC10)	AF053470	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2865	14-3-3 sigma protein promoter and gene, comple	AF029081.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2866	19.5 protein	M32486	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2867	1-aminocyclopropane-1-carboxylate synthase	A35516	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2868	23 kD highly basic protein	X56932	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2869	2-hydroxyacid dehydrogenase	AF113251.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2870	2-hydroxyphytanoyl-CoA lyase (RefSeq aa 7e-6; NP_036392.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2871	3-7 gene product	D64159	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2872	3pv2 and 5p152 genes	spP39194	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2873	40 kDa product (=M19503 ORF1; putative)	AAB59367.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2874	54TmP (54tm) (=S83365 RAB5-interaction protei	AF004876	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2875	55 kDa protein	AF155658.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2876	7h3 protein	AF209931	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2877	88.8 kDa protein	AF225417.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2878	959 kb contig between AML1 and CBR1 on chro	AJ229043.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2879	ABL (M8604 Met) gene	U07561.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2880	acetyl LDL receptor, SREC=scavenger receptor	NM_003693.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2881	acetylserotonin N-methyltransferase-like (ASMTI	gi4757793	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2882	acid phosphatase type 5	X14618	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2883	Acyl carrier protein, Mitochondrial (ACP) (non-ex	AC002400	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2884	AD-012 protein (LOC55833) (=AB040924 KIAA1	gi8923858	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2885	AD-014 protein	AF150733.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2886	ADMLX=putative adhesion molecule [human mF	S60088	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2887	adrenal gland protein AD-002	AF110775.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2888	adrenal gland protein AD-004 (RefSeq aa 2e-91)	NP_057367.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2889	ANC_2H01 (ORF)	AF003924_1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2890	ancient ubiquitous protein 1(AUP1), mRNA	NM_012103.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2891	androgen-regulated short-chain dehydrogenase/	AF167438.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2892	antigen NY-CO-25(NY-CO-25) (=KIAA0201)	AF039695.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2893	antigen NY-CO-41 (NY-CO-41)(= clone DKFZp5	AF039701.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2894	antigen NY-CO-9 (NY-CO-9) (=AB011172 hypotl	AF039691	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2895	antigenic determinant of recA protein (mouse) ht	BC017309.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2896	anti-oncogene	M98056.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2897	APMCF1 (APMCF1)	AF141882.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1

2898	arsenate resistance protein ARS2 arsenite-resis	NP_056992.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2899	arsenite translocating ATPase (ASNA1) (=U602:AF047469		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2900	atypical PKC specific binding protein	AB005549	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2901	autonomously replicating sequence (ARS)	L08437.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2902	autosomal dominant polycystic kidney disease h	AF054992.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2903	AV723190 HTB cDNA clone HTBAXA03 5'	AV723190.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2904	B.subtilis YQJC protein (TR:G1303954)	CAA98118.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2905	B12 protein	M80783.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2906	B17	AF232674.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2907	B6D2F1(clone 2C11B)	U01139	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2908	Bak protein	U23765	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2909	BANP homolog (FLJ20538)	NM_017869.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2910	BCL7B protein	X89985	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2911	BCNT	AB009270	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2912	beta-ureidopropionase	NM_016327.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2913	blood-stage membrane protein Ag-1 [Plasmodium	AF103869	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2914	BNIP3H (BNIP3H) nuclear gene for mitochondria	AF255051.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2915	Br140	M91585	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2916	brain 4.1(L) protein (=AB002336 Human KIAA03	AB019257.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2917	breast adenocarcinoma marker (32kD) (BC-2)	NM_014453.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2918	BRI3	AF272043.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	1
2919	brother of CDO (BOC)	AY027658.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2920	C13F10.4 gene product [Caenorhabditis elegans	U97006	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2921	C1D protein (nuclear DNA-binding protein)	X95592	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2922	C367G8.1 (melanoma antigen P15) (LOC12410: XM_058771.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2923	C43H8.1 gene product	AF098499	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2924	C44E4.5 gene product	AF003140	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2925	C6f mRNA, partial 3'UTR	U72516.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2926	calmodulin-like, processed pseudogene (302 bp	M73792.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2927	candidate tumor suppressor protein DICE1	AF097645.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2928	CDM (=ref NM_005745.2  accessory proteins Bf	Z31696.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2929	cell-line RPMI 8226 chloride ion current inducer	AF232225	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2930	CGI-111 protein (LOC51015)	NM_016048.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2931	CGI-113 protein	AF151871.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2932	CGI-126 protein	AF151884.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2933	chorionic gonadotropin beta subunit	K03189	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2934	choroideremia (ORF)	X78121	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2935	Churchill protein	AAG09759.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2936	citb_173_i_12	AC005887.3	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2937	citb_179_n_3	AC005210.3	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2938	citb_43_a_11, complete sequence	AC005880.3	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2939	citb_79_e_16, complete sequence	AC005881.3	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2940	clock (mouse) homologue (CLOCK) (=AB00233: gi4758009		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2941	cn04g01.y1 Normal Human Trabecular Bone Ce	AI750662.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2942	CocoaCrisp (LOC83690), mRNA /cds=(85,1587) Hs.	182364	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2943	COP9 subunit 6 (MOV34 homolog, 34 kD)(RefSeq: NP_006824.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2944	COX4AL	AF005888	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2945	cp1508.seq.F Human fetal heart, Lambda ZAP E	AA248069	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2946	CpG island DNA genomic MseI fragment, clone	Z61961.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2947	CpG island DNA genomic MseI fragment, clone	Z62622.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2948	CSR2	AB007830.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2949	CTD-2314M3	AC026273.7	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2950	CTP synthase (CTPS)	NM_001905.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2951	CUB and Sushi multiple domains 1 (CSMD1), m	Hs.123468	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2952	CX3C chemokine precursor	U84487	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2953	cystinosin	AJ222967	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2954	cytokine SDF-1-beta (=L36033)	U16752	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2955	cytokine-like factor-1 precursor (CLF-1)	AF059293	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1



2956	D15F37 pseudogene, S4 allele	AF041081.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2957	D54 isoform (hD54)	AF004429.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2958	DAN gene	D89013	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2959	dbpB-like protein	L28809.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2960	DC11 protein (RefSeq aa 3e-63)	NP_064571.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2961	DC6 protein (RefSeq aa 2e-52)	NP_064574.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2962	D-dopachrome tautomerase (=U49785; Y11151)	AF058293	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2963	DEAD (aspartate-glutamate-alanine-aspartate) b	NM_007841.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2964	differentiation-related gene 1 (nickel-specific ind	NM_006096.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2965	dJ1158H2.1 (novel protein similar to D. melanog	CAC05315.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2966	dJ28H20.2 (novel protein)	CAC00561.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2967	dJ671D7.1 (similar to D. melanogaster CG5986	CAC04152.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2968	dJ756N5.2 (A novel protein (DKFZp727M231) sl	CAC14946.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2969	dJ93K22.1 (novel protein (contains DKFZP564B	AL050333	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2970	Dlgh1 homologue	U93309	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2971	DMBT1 candidate tumour suppressor gene, exo	AJ243211.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2972	DMR-N9 myotonic dystrophy kinase (DM kinase	L08835.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2973	DNA containing putative Ac-like transposon	Y17156	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2974	DNA for tob family, complete cds	D78382.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2975	Down syndrome critical region gene 1-like 1	NM_005822.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2976	down-regulator of transCRiption 1, TBP-binding	NM_001938.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2977	DROME TWISTED GASTRULATION PROTEIN	spP54356	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2978	DSCR5a	AB037162.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2979	dUTP pyrophosphatase (DUT)	NM_001948.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2980	DVS27-related protein	BAA75892.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2981	DXS8237E (=D50912 hypothetical protein (KIAA	U35373	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2982	dye	U77595	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2983	E46 protein	AF119662.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2984	early B-cell transcription factor (EBF)	AF208502.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2985	early development regulator 2 (homolog of polyh	NM_004427.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2986	EB1	U24166	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2987	EF1a-like protein	AF267861.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2988	endogenous retrovirus H HERV-H/env62 provira	AJ289709.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2989	endogenous retrovirus HERV-K102	AF164610.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2990	endogenous retrovirus type C oncovirus sequen	M74509	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2991	envelope protein	AF164615	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2992	EPC-1 (=M76979 PEDF;U29953;M90493)	U57446	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2993	ER1 (=AB033019 KIAA1193) (67% aa)	AF015454	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2994	erbb2-interacting protein ERBIN	NM_018695.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2995	ERp28 protein	X94910	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
2996	esophageal cancer related gene 4 protein (ECR	Hs.43125	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
2997	ETAA16 protein (RefSeq aa 1e-75)	NP_061875.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
2998	EXOSTOSIN-1 (PUTATIVE TUMOR SUPPRES	spQ16394	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
2999	F1D9.26-unknown protein [Arabidopsis thaliana	BAA97098.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3000	faciogenital dysplasia (Aarskog-Scott syndrome)	NM_004463.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3001	f-box and leucine-rich repeat protein 11 (FBXL1	XM_040025.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3002	f-box and leucine-rich repeat protein 3A (FBXL3	NM_012158.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3003	FEZ2 protein (FEZ2)	AF113124.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3004	fgr proto-oncogene encoded p55-c-fgr protein	M19722.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3005	FH1/FH2 domain-containing protein FHOS (FHC	AF113615.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3006	FLAME-1	AAB70909.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3007	fosB	X14897	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3008	FT005 protein (FT005)	NM_014054.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3009	fused in glioblastoma mRNA, complete cds /cds	Hs.23120	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3010	FXYD domain-containing ion transport regulator	NM_022003.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3011	G antigen 1	XP_010196.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3012	G9011 gene product	AAF52302.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3013	ganglioside-induced differentiation associated pr	Y17852	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1

3014	GASC-1	AB037901.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3015	gcp372	BAA05025.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3016	GEC-1 (gec-1)	AF012920	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3017	GEF-2	AB003515	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3018	GEG-154 mRNA	X71642	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3019	gene 33 polypeptide	M23572.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3020	gene encoding HLA-Cw6	Z22754.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3021	gene_id:F1D9.26-unknown protein	AP002460	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3022	GILZ, complete cds /cds=(233,637) /gb=AB0254	Hs.75450	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3023	GK001 protein (GK001),	NM_020198.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3024	GK003 (GK003)	AF226046.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3025	GL002 protein (GL002)	NM_020193.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3026	golgi antigen gcp372	D25542.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3027	GSTmu3 gene for a glutathione S-transferase M	X56838.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3028	Gx protein	AF120103.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3029	hamartin (TSC1)	AF013168	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3030	haplotype D6 beta-globin (HBB) gene, replication	AF186620.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3031	hBKLf for basic kruppel like factor (LOC51274)	NM_016531.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3032	HBV associated factor(XAP4)	NM_006462.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3033	HC71C	AF177343.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3034	hCDC10=CDC10 homolog	S72008	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3035	hcgVIII protein	X92110	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3036	HCMOGT-1 mRNA for sperm antigen, complete	Hs.15053	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3037	HDCMB12P	AF067802.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3038	HDCMC04P	AF067804.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3039	HDCMC28P protein (HDCMC28P)	NM_016649.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3040	HELG protein (HELG)	NM_018412.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3041	hematopoietic stem/progenitor cells protein MDS	NM_018462.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3042	HF.12 gene	X07290.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3043	HGTD-P (HGTD-P) (=E2IG5)	AF201944.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3044	HIS1 protein	AB021179	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3045	hMSH6	U73737	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3046	homolog of yeast mutL (hPMS1) gene	U13695.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3047	hook1 protein (69% aa)	AF044923	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3048	HOTTL protein mRNA, complete cds	AF078842.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3049	HPBR1-4	X67337	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3050	hSLK (=D86959 hypothetical protein (KIAA0204)	AB002804	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3051	HSPC006	AF070662.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3052	HSPC009 protein (HSPC009), mRNA	NM_014019.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3053	HSPC028	AF083246.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3054	HSPC030	AF085359.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3055	HSPC031 mRNA,=CGI-37 protein (ORF)	AF085360	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3056	HSPC038 protein (LOC51123)	NM_016096.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3057	HSPC040 protein (RefSeq aa 1e-58)	NP_057182.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3058	HSPC042 protein (contains Alu repeat)	AF125096.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3059	HSPC049 protein (HSPC049)	NM_014149.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3060	HSPC055 protein (HSPC055) (=FLJ11007 fis)	NM_014153.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3061	HSPC056 protein (HSPC056)	NM_014154.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3062	HSPC059 protein (HSPC059)	NM_016536.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3063	HSPC071	AF161556.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3064	HSPC092	AF161355.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3065	HSPC093 (aa 9e-13,65%)	AAF28916.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3066	HSPC121 (=B-ind1 protein)	AAF29085.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3067	HSPC125	AF161474	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3068	HSPC126 protein (RefSeq aa 4e-46)	NP_054885.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3069	HSPC140 (=SUMO-1-activating enzyme E1 N st	AF161489.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3070	HSPC141 protein (HSPC141)(= sex-regulated pr	XM_038043.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3071	HSPC144 protein (RefSeq aa 1e-69)	NP_054893.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1

3072 HSPC145	AF161494.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3073 HSPC151	AAF29115.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3074 HSPC154 protein (HSPC154)	NM_014177.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3075 HSPC155	AF161504.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3076 HSPC160 protein (RefSeq aa 5e-77)	NP_054901.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3077 HSPC164	XM_009549.4	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3078 HSPC173 mRNA,	AF161521.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3079 HSPC174	AF161522.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3080 HSPC176	AF161524.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3081 HSPC177	BC016698.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3082 HSPC182 protein (HSPC182)	NM_014188.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3083 HSPC184	AF151018.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3084 HSPC187	AF151021.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3085 HSPC197	AF151031.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3086 HSPC199	AF151033.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3087 HSPC209	AF151043.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3088 HSPC210	AF151044	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3089 HSPC212	AF151046.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3090 HSPC235	AF151069.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3091 HSPC240	AF151074.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3092 HSPC245	AF151079.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3093 HSPC261 (=DKFZp564B0769.1)	AAF28939.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3094 HSPC273 (=KIAA1192)	AF161391.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3095 HSPC274 protein (RefSeq aa 1e-38)	NP_054864.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3096 HSPC299	AF161417.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3097 HSPC301	AF161419.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3098 HSPC306	AF161424.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3099 HSPC311	AF161429.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3100 HSPC331 (=SPF31)	AAF29009.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3101 HT002 protein (HT002)	NM_014066.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3102 HT015 protein (HT015)	AF223466.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3103 HU-K4	U60644	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3104 human homolog of a mouse imprinted gene	AB006625	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3105 HUT11 protein mRNA, partial 3' UTR	AF263545.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3106 hydroxyacyl-Coenzyme A dehydrogenase/3-ket	NM_000183.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3107 hypothalamus protein HBEX2	XP_010123.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3108 hypothalamus protein HT001 (=AF225981 calcu	AF113539	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3109 hypothetical brain protein similar to X96994 BR	NM_019836.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3110 hypothetical gap protein	CAB63561.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3111 hypothetical gene (AK026938 (LOC91933))	XM_041609.2	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3112 hypothetical gene (AL137319; NM_017586) (LO	XM_011838.3	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3113 hypothetical gene (BC009875; BC014023 (LOC	XM_055021.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3114 hypothetical gene (LOC87167)	XM_016787.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3115 hypothetical gene (LOC87240)	XM_015947.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3116 hypothetical gene (LOC96648)	XM_055006.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3117 hypothetical gene AK023725 (LOC92923)	XM_048072.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3118 hypothetical gene supported by AF055004 (LOC	XM_051593.3	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3119 hypothetical gene supported by AF132973; BC0	XM_048487.3	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3120 hypothetical gene supported by AF267861; AK0	XM_016170.4	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3121 hypothetical gene supported by AK027830; AL1	XM_072050.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3122 hypothetical gene supported by AL096738; BC0	XM_047202.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3123 hypothetical gene supported by AL137544 (LOC	XM_028218.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3124 hypothetical gene supported by BC008765 (LOC	XM_059474.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3125 hypothetical gene supported by BC009329 (LOC	XM_071761.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3126 hypothetical gene supported by BC009875; BC0	XM_072528.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3127 hypothetical gene supported by D38441; AF141	XM_002828.5	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3128 hypothetical gene supported by U60644 (LOC12	XM_047409.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3129 hypothetical gene supported by XM_000590 (LC	XM_000590.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1

3130	hypothetical gene supported by XM_059059 (LC XM_059059.1)	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3131	hypothetical gene supported by Y10313; BC001:XM_011551.5	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3132	hypothetical protein B34087	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3133	hypothetical protein CAB43380.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3134	hypothetical protein CAB55973.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3135	hypothetical protein CAB70761.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3136	hypothetical protein (aa 2e-27) NP_062551.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3137	hypothetical protein (CL25084) XM_056548.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3138	hypothetical protein (LOC51060), mRNA XM_045762.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3139	hypothetical protein (LOC51255), mRNA /cds=(C Hs.11156	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3140	hypothetical protein (LOC51315) NM_016618.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3141	hypothetical protein (MGC4175) XM_016063.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3142	hypothetical protein (MGC4415) XM_050738.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3143	Hypothetical protein (non-exact 37-54% a.a.) NP_061952.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3144	hypothetical protein (ORF)(48%) AL050011	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3145	hypothetical protein (RefSeq aa 2e-38) NP_056198.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3146	hypothetical protein (RefSeq aa 2e-60) NP_057280.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3147	hypothetical protein (RefSeq aa 3e-61) NP_056999.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3148	hypothetical protein (RefSeq aa 5e-50) NP_057169.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3149	hypothetical protein (RefSeq aa 5e-63) NP_056158.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3150	hypothetical protein (RefSeq aa 9e-33) NP_057711.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3151	hypothetical protein (RefSeq aa 9e-43) NP_057701.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3152	hypothetical protein (XP_029545) XP_029545.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3153	hypothetical protein ASH1 (RefSeq aa 2e-68) NP_060959.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3154	hypothetical protein clone 24952 mRNA AF131758	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3155	hypothetical protein HDCMC04P XP_004843.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3156	hypothetical protein IMAGE3455200 (IMAGE345 NM_024006.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3157	hypothetical protein MGC10753 (MGC10753), m NM_016628.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3158	hypothetical protein MGC10947 (MGC10947), m Hs.326740	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3159	hypothetical protein MGC14433 (MGC14433), m Hs.83572	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3160	hypothetical protein MGC14833 (MGC14833) XM_042640.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3161	hypothetical protein MGC2217 (MGC2217), mRI Hs.323164	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3162	hypothetical protein MGC2744, clone MGC:4371BC019324.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3163	hypothetical protein MGC2827 (MGC2827), mRI Hs.8035	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3164	hypothetical protein MGC3178 (MGC3178) XM_037853.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3165	hypothetical protein MGC3200 (MGC3200) XM_034630.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3166	hypothetical protein MGC3251 (MGC3251), mRI Hs.13467	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3167	hypothetical protein MGC4174 (MGC4174) XM_018439.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3168	hypothetical protein MGC5306 (MGC5306), mRI XM_048376.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3169	hypothetical protein similar to mouse Dnaj1 (DN Hs.13015	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3170	HYPOTHETICAL PROTEIN ZAP3 P49750	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3171	hypothetical protein, clone MGC:19514 IMAGE:BC011720.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3172	hypothetical protein, clone MGC:20386 IMAGE:BC015919.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3173	hypothetical protein, expressed in osteoblast (G: NM_006820.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3174	I factor (complement) (IF), mRNA /cds=(14,1765 Hs.36602	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3175	ID YG39-2B AJ227863.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3176	IFI16b (IFI16b) AF208043.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3177	IkB kinase-b(IKK-beta) mRNA, complete cds AF080158.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3178	IL0-CT0080-030899-107-c07 CT0080 AW062569.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3179	I-mfa domain-containing protein (HIC), mRNA XM_041273.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3180	implantation-associated protein (IAG2) (ORF) AF008554	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3181	INE2 Y10697.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3182	infant brain mRNA, clone 13cDNA65 U57962.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3183	ING1Lp AB012853.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3184	inner mitochondrial membrane translocase Tim1 AF034790	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3185	insulin induced gene 1 (INSIG1) NM_005542.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3186	integrative vector pRS306 with URA3 marker, cc U03438.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3187	interferon-induced, hepatitis C-associated microt NM_006417.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1

3188	intracisternal A particle-promoted polypeptide (IF NM_005897.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3189	IRA1 mRNA, complete cds, alternatively spliced Hs.315111	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3190	Isoform 1 from chromosome 22 AL359401.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3191	isoform 2 of a novel human mRNA from chromo: AL160112.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3192	ITBA2 protein(ORF) X92896.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3193	J domain containing protein 1 isoform a AAD52650.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3194	JAZF1 (JJAZ1) XM_050093.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3195	jerky (mouse) homolog-like (JRKL) NM_003772.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3196	kappa B-ras AF229839.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3197	KFZp586B1821 AL133114.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3198	KH domain RNA binding protein QKI-5B AF090403.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3199	KIAA0008 D13633	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3200	KIAA0013 D87717.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3201	KIAA0020 gene product (KIAA0020) NM_014878.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3202	KIAA0029 D21852	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3203	KIAA0033 D26067.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3204	KIAA0035 gene D21262.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3205	KIAA0051 gene D29640.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3206	KIAA0052 protein, partial cds D29641.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3207	KIAA0063 gene product (KIAA0063) NM_014876.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3208	KIAA0078 gene D38551.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3209	KIAA0088 gene, partial cds D42041.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3210	KIAA0089 gene D42047.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3211	KIAA0091 gene D42053.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3212	KIAA0096 D43636	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3213	KIAA0098 (chaperonin containing TCP-1) D43950	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3214	KIAA0101 D14657	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3215	KIAA0108 (golgi 4-transmembrane spanning tra D14696	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3216	KIAA0109 gene D63475.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3217	KIAA0110 D14811	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3218	KIAA0123 protein (KIAA0123) XM_054752.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3219	KIAA0150 D63484	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3220	KIAA0154 D63876	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3221	KIAA0157 gene, partial D63877.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3222	KIAA0171 gene product (KIAA0171) NM_014666.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3223	KIAA0184 D80006	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3224	KIAA0190 gene D80012.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3225	KIAA0193 gene product (KIAA0193) NM_014766.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3226	KIAA0197 gene D83781	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3227	KIAA0200 gene NM_014757.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3228	KIAA0220 D86974.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3229	KIAA0224 NM_014003.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3230	KIAA0240 D87077	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3231	KIAA0247 gene product (KIAA0247), mRNA /cd: Hs.82426	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3232	KIAA0257 gene, partial cds D87446.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3233	KIAA0259 D87448.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3234	KIAA0263 protein D87452.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3235	KIAA0268 gene D87742.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3236	KIAA0271 gene D87461	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3237	KIAA0280 gene, partial cds /cds=UNKNOWN /gi Hs.75400	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3238	KIAA0281 gene product NM_014800.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3239	KIAA0286 gene AB006624.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3240	KIAA0290 (non-exact match 80% a.a.) BAA22959.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3241	KIAA0294 NM_014629.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3242	KIAA0297 gene AB002295.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3243	KIAA0301 gene AB002299.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3244	KIAA0305 gene product (RefSeq aa 2e-32) NP_055548.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3245	KIAA0323 gene AB002321.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1

3246 KIAA0337	AB002335	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3247 KIAA0361	AB002359	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3248 KIAA0365	AB002363	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3249 KIAA0367	AB002365.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3250 KIAA0373	AB002371.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3251 KIAA0391 gene product (RefSeq aa 2a-31)	NP_055487.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3252 KIAA0393	AB002391.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3253 KIAA0395	AB007855.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3254 KIAA0397 gene product (KIAA0397)	XM_029438.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3255 KIAA0399	AB007859.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3256 KIAA0402	AB007862	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3257 KIAA0405	AB007865	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3258 KIAA0407	AB007867.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3259 KIAA0409	AB007869.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3260 KIAA0416	AB007876	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3261 KIAA0418 gene	NM_014787.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3262 KIAA0430	AB007890	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3263 KIAA0437	AB007897	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3264 KIAA0441	AB007901	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3265 KIAA0442	AB007902.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3266 KIAA0445	AB007914	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3267 KIAA0469	AB007938	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3268 KIAA0473 gene product	NM_014787.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3269 KIAA0487 chromosome 1 specific transCRipt)	AB007956	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3270 KIAA0494	NM_014774.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3271 KIAA0511 protein	AB011083	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3272 KIAA0516	BAA25442.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3273 KIAA0517 protein	AB011089.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3274 KIAA0518 (=mouse Mad5)	AB011090.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3275 KIAA0524	AB011096	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3276 KIAA0528	AB011100.2	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3277 KIAA0529	AB011101	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3278 KIAA0532	AB011104.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3279 KIAA0536	AB011108	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3280 KIAA0538 protein, partial cds	AB011110.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3281 KIAA0549 protein	AB011121	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3282 KIAA0554 (=DKFZp564O1116)	AB011126	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3283 KIAA0565	AB011137	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3284 KIAA0584	AB011156.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3285 KIAA0593	AB011165	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3286 KIAA0601	AB011173.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3287 KIAA0608	AB011180	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3288 KIAA0614	AB014514	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3289 KIAA0615	AB014515	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3290 KIAA0621	NM_015071.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3291 KIAA0625	AB014525.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3292 KIAA0627 protein	AB014527.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3293 KIAA0628	AB014528	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3294 KIAA0643	AB014543	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3295 KIAA0644	AB014544	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3296 KIAA0647 protein	AB014547.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3297 KIAA0649 (=L11910 retinoblastoma susceptibilit	AB014549	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3298 KIAA0650	AB014550.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3299 KIAA0652	AB014552	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3300 KIAA0657 protein	AB014557.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3301 KIAA0658	AB014558	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3302 KIAA0668 protein	AB014568.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3303 KIAA0669	AB014569	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1

3304 KIAA0677 gene product (KIAA0677)	NM_014663.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3305 KIAA0678	AB014578	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3306 KIAA0690 protein	AB014590.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3307 KIAA0700 protein (KIAA0700)	XM_050561.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3308 KIAA0707 protein, partial cds /cds=UNKNOWN /Hs.234786		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3309 KIAA0714	AB018257.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3310 KIAA0721	AB018264.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3311 KIAA0726	NM_014718.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3312 KIAA0733	AB018276.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3313 KIAA0737	AB018280	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3314 KIAA0742	AB018285.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3315 KIAA0752 protein (KIAA0752)	XM_040324.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3316 KIAA0758 protein	AB018301	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3317 KIAA0764	NM_014860.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3318 KIAA0774	AB018317.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3319 KIAA0781	AB018324.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3320 KIAA0784	AB018327.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3321 KIAA0788	AB018331.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3322 KIAA0790 protein	AB018333.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3323 KIAA0795 protein (KIAA0795), mRNA	XM_016166.3	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3324 KIAA0798 gene product (KIAA0798)	NM_014650.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3325 KIAA0801 gene product (RefSeq aa 3e-73)	NP_055644.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3326 KIAA0823 protein, partial cds	AB020630.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3327 KIAA0826	AB020633	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3328 KIAA0831	AB020638.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3329 KIAA0836 protein	AB020643.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3330 KIAA0840 protein	AB020647.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3331 KIAA0856	AB020663.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3332 KIAA0857 protein (=DKFZp434H018)	AB020664.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3333 KIAA0859	AB020666.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3334 KIAA0860	AB020667	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3335 KIAA0866 protein	AB020673.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3336 KIAA0867	NM_014938.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3337 KIAA0874	AB020681.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3338 KIAA0878 (contains Alu repeat)	AB020685.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3339 KIAA0879 protein (KIAA0879)	NM_014936.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3340 KIAA0883	AB020690	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3341 KIAA0887 protein,	AB020694.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3342 KIAA0890 protein (KIAA0890)	NM_014966.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3343 KIAA0892	AB020699.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3344 KIAA0898	AB020705.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3345 KIAA0908 protein	AB020715.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3346 KIAA0912	AB020719.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3347 KIAA0922	AB023139.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3348 KIAA0923	AB023140.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3349 KIAA0926 protein (KIAA0926),	NM_014922.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3350 KIAA0937	AB023154.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3351 KIAA0940 protein (RefSeq aa 3e-75)	NP_055727.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3352 KIAA0941	AB023158.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3353 KIAA0946	AB023163.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3354 KIAA0949	AB023166.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3355 KIAA0951 protein (KIAA0951),	NM_014893.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3356 KIAA0957 protein (RefSeq aa 1e-33)	NP_055757.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3357 KIAA0961 protein	NM_014898.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3358 KIAA0962(=DKFZp564D022)	AB023179.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3359 KIAA0974	AB023191	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3360 KIAA0979 protein	BAA76823.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3361 KIAA0980	AB023197	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1

3362 KIAA0981	AB023198.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3363 KIAA0996	NM_014934.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3364 KIAA1007 protein (KIAA1007)	NM_016284.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3365 KIAA1018	AB023235.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3366 KIAA1023	AB028946	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3367 KIAA1028	AB028951.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3368 KIAA1031	AB028954.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3369 KIAA1041	NM_014947.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3370 KIAA1042	AB028965.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3371 KIAA1044	AB028967.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3372 KIAA1046 protein (KIAA1046)	NM_014928.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3373 KIAA1049	AB028972.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3374 KIAA1050	AB028973.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3375 KIAA1055	AB028978.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3376 KIAA1057	AB028980.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3377 KIAA1067	AB028990.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3378 KIAA1071	AB028994.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3379 KIAA1075 protein	AB028998.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3380 KIAA1078 protein,	AB029001.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3381 KIAA1085	AB029008.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3382 KIAA1093	AB029016.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3383 KIAA1095 protein, partial cds	AB029018.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3384 KIAA1097	AB029020.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3385 KIAA1098 protein	AB029021.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3386 KIAA1099 protein (KIAA1099)	NM_014914.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3387 KIAA1109	AB029032.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3388 KIAA1110 protein	AB029033.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3389 KIAA1114 protein (KIAA1114)	NM_016157.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3390 KIAA1116 protein (KIAA1116)	NM_014892.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3391 KIAA1119 protein	AB032945.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3392 KIAA1122	AB032948	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3393 KIAA1124	AK000716.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3394 KIAA1143 protein	AB032969.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3395 KIAA1146	AB032972.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3396 KIAA1147 protein	AB032973.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3397 KIAA1151	AB032977.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3398 KIAA1156	AB032982.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3399 KIAA1164 protein, partial cds	AB032990.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3400 KIAA1165	AB032991.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3401 KIAA1178	AB033004.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3402 KIAA1179	AB033005.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3403 KIAA1180	AB033006.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3404 KIAA1187 protein	AB033013.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3405 KIAA1197 protein, partial cds	AB033023.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3406 KIAA1213 (low match)	AB033039	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3407 KIAA1214	BAA86528.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3408 KIAA1218	AB033044.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3409 KIAA1224	AB033050.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3410 KIAA1229	AB033055.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3411 KIAA1233 protein	AB033059.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3412 KIAA1235	AB033061.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3413 KIAA1242	AB033068.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3414 KIAA1243 protein, partial cds /cds=UNKNOWN / Hs.151076		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3415 KIAA1255 (ANKHZN)	AB033081	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3416 KIAA1274	AB033100.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3417 KIAA1279 protein	AB033105.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3418 KIAA1283	AB033109.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3419 KIAA1294	AB037715.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1



3420 KIAA1306	AB037727.1	1 0.01%	0 0.00%	0 0.00%	0 0.00%	1
3421 KIAA1308	AB037729	1 0.01%	0 0.00%	0 0.00%	0 0.00%	1
3422 KIAA1320	AB037741.1	0 0.00%	1 0.01%	0 0.00%	0 0.00%	1
3423 KIAA1323	AB037744.1	0 0.00%	0 0.00%	1 0.01%	0 0.00%	1
3424 KIAA1327	AB037748.1	0 0.00%	1 0.01%	0 0.00%	0 0.00%	1
3425 KIAA1328 protein	AB037749.1	0 0.00%	1 0.01%	0 0.00%	0 0.00%	1
3426 KIAA1332	AB037753.1	0 0.00%	0 0.00%	0 0.00%	1 0.01%	1
3427 KIAA1333	AB037754.1	0 0.00%	0 0.00%	0 0.00%	1 0.01%	1
3428 KIAA1335	AB037756.1	1 0.01%	0 0.00%	0 0.00%	0 0.00%	1
3429 KIAA1343	AB037764.1	0 0.00%	1 0.01%	0 0.00%	0 0.00%	1
3430 KIAA1344	AB037765.1	0 0.00%	0 0.00%	0 0.00%	1 0.01%	1
3431 KIAA1352	AB037773.1	0 0.00%	1 0.01%	0 0.00%	0 0.00%	1
3432 KIAA1353 protein (KIAA1353)	XM_035589.1	1 0.01%	0 0.00%	0 0.00%	0 0.00%	1
3433 KIAA1360	AB037781.1	1 0.01%	0 0.00%	0 0.00%	0 0.00%	1
3434 KIAA1365	AB037786.1	1 0.01%	0 0.00%	0 0.00%	0 0.00%	1
3435 KIAA1367	AB037788.1	0 0.00%	1 0.01%	0 0.00%	0 0.00%	1
3436 KIAA1373	AB037794.1	0 0.00%	0 0.00%	1 0.01%	0 0.00%	1
3437 KIAA1375 (PDCD6IP)	AB037796	1 0.01%	0 0.00%	0 0.00%	0 0.00%	1
3438 KIAA1390 protein	AB037811.1	0 0.00%	1 0.01%	0 0.00%	0 0.00%	1
3439 KIAA1400 protein	AB037821.1	1 0.01%	0 0.00%	0 0.00%	0 0.00%	1
3440 KIAA1403	AB037824	0 0.00%	0 0.00%	0 0.00%	1 0.01%	1
3441 KIAA1408 protein	AB037829.1	1 0.01%	0 0.00%	0 0.00%	0 0.00%	1
3442 KIAA1412 protein	AB037833.1	0 0.00%	1 0.01%	0 0.00%	0 0.00%	1
3443 KIAA1415 protein	AB037836.1	0 0.00%	1 0.01%	0 0.00%	0 0.00%	1
3444 KIAA1417	AB037838.1	1 0.01%	0 0.00%	0 0.00%	0 0.00%	1
3445 KIAA1419 protein	AB037840.1	1 0.01%	0 0.00%	0 0.00%	0 0.00%	1
3446 KIAA1421 protein	AB037842.1	0 0.00%	1 0.01%	0 0.00%	0 0.00%	1
3447 KIAA1430	AB037851.1	0 0.00%	0 0.00%	0 0.00%	1 0.01%	1
3448 KIAA1432	AB037853.1	0 0.00%	0 0.00%	0 0.00%	1 0.01%	1
3449 KIAA1434 protein	AB037855.1	0 0.00%	1 0.01%	0 0.00%	0 0.00%	1
3450 KIAA1435	AB037856.1	1 0.01%	0 0.00%	0 0.00%	0 0.00%	1
3451 KIAA1440 protein	AB037861.1	1 0.01%	0 0.00%	0 0.00%	0 0.00%	1
3452 KIAA1454 protein	AB040887.1	0 0.00%	0 0.00%	1 0.01%	0 0.00%	1
3453 KIAA1460	AB040893.1	1 0.01%	0 0.00%	0 0.00%	0 0.00%	1
3454 KIAA1461 (ORF)	AB040894	0 0.00%	0 0.00%	0 0.00%	1 0.01%	1
3455 KIAA1462	AB040895.1	0 0.00%	1 0.01%	0 0.00%	0 0.00%	1
3456 KIAA1463	AB040896.1	1 0.01%	0 0.00%	0 0.00%	0 0.00%	1
3457 KIAA1472	AB040905.1	0 0.00%	0 0.00%	0 0.00%	1 0.01%	1
3458 KIAA1476 protein (=NM_013450.1 BAZ2B)	AB040909.1	0 0.00%	0 0.00%	0 0.00%	1 0.01%	1
3459 KIAA1478	AB040911.1	1 0.01%	0 0.00%	0 0.00%	0 0.00%	1
3460 KIAA1483 protein (KIAA1483)	XM_045920.1	1 0.01%	0 0.00%	0 0.00%	0 0.00%	1
3461 KIAA1495 protein	AB040928.1	1 0.01%	0 0.00%	0 0.00%	0 0.00%	1
3462 KIAA1497	AB040930.1	1 0.01%	0 0.00%	0 0.00%	0 0.00%	1
3463 KIAA1521	AB040954	0 0.00%	0 0.00%	0 0.00%	1 0.01%	1
3464 KIAA1528 protein (KIAA1528)	XM_055933.1	1 0.01%	0 0.00%	0 0.00%	0 0.00%	1
3465 KIAA1533 protein	AB040966.1	0 0.00%	0 0.00%	0 0.00%	1 0.01%	1
3466 KIAA1537	AB040970.1	0 0.00%	1 0.01%	0 0.00%	0 0.00%	1
3467 KIAA1538 protein	AB040971.1	0 0.00%	1 0.01%	0 0.00%	0 0.00%	1
3468 KIAA1558	AB046778	0 0.00%	1 0.01%	0 0.00%	0 0.00%	1
3469 KIAA1562 protein	AB046782.1	0 0.00%	1 0.01%	0 0.00%	0 0.00%	1
3470 KIAA1565 protein, partial cds	AB046785.1	0 0.00%	1 0.01%	0 0.00%	0 0.00%	1
3471 KIAA1571	AB046791.1	0 0.00%	1 0.01%	0 0.00%	0 0.00%	1
3472 KIAA1572 protein, partial cds /cds=UNKNOWN / Hs.5638		0 0.00%	0 0.00%	0 0.00%	1 0.01%	1
3473 KIAA1573	AB046793	0 0.00%	0 0.00%	0 0.00%	1 0.01%	1
3474 KIAA1578 protein	AB046798.1	0 0.00%	1 0.01%	0 0.00%	0 0.00%	1
3475 KIAA1590, low match	AB046810	0 0.00%	1 0.01%	0 0.00%	0 0.00%	1
3476 KIAA1597	AB046817.1	0 0.00%	1 0.01%	0 0.00%	0 0.00%	1
3477 KIAA1600 protein,	AB046820.1	0 0.00%	1 0.01%	0 0.00%	0 0.00%	1

3478 KIAA1604 protein	AB046824	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3479 KIAA1624 protein, partial cds	AB046844.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3480 KIAA1641	AB046861.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3481 KIAA1655	AK000711.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3482 KIAA1790 protein, partial cds /cds=UNKNOWN ; Hs.57760		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3483 KIAA1863 protein (KIAA1863)	XM_036104.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3484 KIAA1870 protein (KIAA1870)	XM_027025.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3485 kiaz-iso protein	AAF17242.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3486 KIP gene	AB021866.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3487 KNP-1a (=U53007 GT335)	D86061	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3488 Ksp37 protein (KSP37), mRNA	NM_031950.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3489 Ku70-binding protein (low match)	AF078528	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3490 Kunitz-type protease inhibitor (kop)	AF027205	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3491 L1 repeat, Tf subfamily, member 18	NP_038602.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3492 L1 repeat, Tf subfamily, member 26	NP_038604.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3493 latexin protein (LXN), mRNA /cds=(151,819) /gb	Hs.109276	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3494 LCN1b gene	Y10826	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3495 LDC4 (=HSPC243)	AF247661.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3496 Leman coiled-coil protein (LCCP) (=AB023206.1	NM_016201.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3497 LEYDIG CELL TUMOR 10 KD PROTEIN	spQ05310	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3498 ligase IV, DNA, ATP-dependent (LIG4)	NM_002312.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3499 LIMULUS CLOTTING FACTOR C PRECURSOR P28175		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3500 lin-7-A	AF090133	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3501 line-1 protein ORF1 - =M19503) ORF1; putative: A28096		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3502 loss of heterozygosity, 11, chromosomal region ; NM_014622.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3503 lost in inflammatory breast cancer tumor suppress AF143679.1		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3504 LPS-induced TNF-alpha factor (PIG7) mRNA	NM_004862.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3505 m6A methyltransferase (MT-A70) gene	AF014837.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3506 m6b1	AF016004.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3507 macrophage inflammatory protein-2alpha (MIP; X53799		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3508 macrophage myristoylated alanine-rich C kinase XM_034535.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3509 match to AA908753 (NID:g3048158)	AAC83082.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3510 Mcl-1 (MCL-1) and Mcl-1 delta S/TM (MCL-1) ge AF198614.1		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3511 MDS024(MDS024)	AF182423.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3512 MEGF2	AB011536	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3513 MEGF5	AB011538.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3514 MEGF6	AB011539	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3515 melanogaster TEP2 protein [Drosophila melanog AJ269539		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3516 Melanoma associated gene (D2S448)	XM_056455.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3517 melanoma-associated antigen p97 (melanotrans K03200		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3518 melastatin 1 (70% aa)	AF071787	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3519 membrane protein type II, (low match) clone:HP AB015633		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3520 meningioma expressed antigen 6(coiled-coil prol NP_005921.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3521 meningioma-expressed antigen 11 (MEA11)	U73682	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3522 meningioma-expressed antigen 6 (MEA6)	U94780	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3523 merosin	M59832	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3524 mesenchymal stem cell protein DSC54 (LOC51; M_016644.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3525 metastasis associated 1 (MTA1)	NM_004689.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3526 miCRosatellite sequence INRA095	X71569	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3527 miCRosatellite VNTR DNA	L07935	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3528 MLN51	X80199	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3529 MLN62	X80200	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3530 Mm-1 cell derived transplantability-associated 1t NM_021105.1		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3531 MpV17 transgene, murine homolog, glomerulos NM_002437.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3532 mRNA similar to rat myomegalin	AB042557.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3533 MSTP031	AAG39282.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3534 MSTP033 protein (MSTP033)	XM_029351.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3535 MUF1 protein (MUF1)	NM_006369.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1

3536	mutS (E. coli) homolog 3 (RefSeq aa 1e-66)	NP_002430.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3537	myelodysplasia/myeloid leukemia factor 1 (Mlf1)	AF100171	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3538	NDUFV3 gene for mitochondrial NADH-Ubiquinone	AB038163.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3539	neural polypyrimidine tract binding protein (PTB)	AF176085.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3540	neurtin (LOC51299), mRNA /cds=(168,596) /gb=	Hs.103291	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3541	NF2 gene	Y18000.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3542	NG,NG-dimethylarginine dimethylaminohydrolase	AB001915	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3543	NIBAN	AB050477.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3544	NICE-3 protein (clone 3038j13)	AJ243665.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3545	nitrilase 1 (NIT1)	NM_005600.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3546	NJAC protein (NJAC)	AF144103.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3547	nm23-H7 (NME7)	AF153191.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3548	Nmi	U32849.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3549	N-myc and STAT interactor (RefSeq aa 4e-56)	NM_016508.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3550	NORI-1 (ORF)	AB010427	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3551	novel protein (HSNOV1)	XM_017365.2	1	0.01%	1	0.01%	0	0.00%	0	0.00%	1
3552	NP0001	AF078853.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3553	N-ras	X02751	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3554	nuclear body associated kinase 2b (Nbak2) (=A	AF170304.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3555	nucleobindin 2 (RefSeq aa 9e-90)	NP_005004.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3556	nucleolar protein (KKE/D repeat) (NOP56) =Y12	NM_006392	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3557	nucleolar protein ANKT(ANKT), mRNA	NM_016359.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3558	nucleolar protein family A, member 3 (H/ACA	srr Hs.14317	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3559	nucleotide-binding protein	U01833	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3560	NUMB	AF171941.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3561	NY-REN-49 antigen	AF155111.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3562	NY-REN-57 antigen	AF155114.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3563	NY-REN-6 antigen (ORF)	AF155096	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3564	OBP1a gene	AJ251029.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3565	okadaic acid-inducible phosphoprotein (OA48-1	AF069250	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3566	Opa-interacting protein OIP5	AF025441	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3567	OPN-b (low match: aa 8e-06)	BAA05950.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3568	ORF1, encodes a 40 kDa product	AAB60344.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3569	ORF2 (aa 4e-15,65%)	BAA25253.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3570	ORF4	CAA37647.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3571	ORFII (X52235)(= LIN1_HUMAN LINE-1 REVEF	CAA36480.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3572	ORFYGR054w	CAA97056.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3573	OTF3 gene	Z11900.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3574	p150 (67% a.a.)	AAC51279.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3575	P1-Cdc21 (=ALU8_HUMAN ALU SUBFAMILY S	X74794.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3576	P1cdc47 (=hMCM2) (=p85Mcm)	D55716.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3577	p21-activated protein kinase-like protein (non-ex	AAF82310.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3578	P3ECSL (LIECG3), mRNA	NM_022164.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3579	PA4=candidate oncogene	S82075	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3580	PAC 747L4 gene	AL035297.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3581	PAC P336P3 (12q24)	gi 2961441	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3582	PAI-1 gene, PAI-1-HindIII-2 allele	AF110527.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3583	PAK2 mRNA,	AF092132	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3584	PAN2 protein (PAN2)	NM_020905.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3585	pancreas tumor-related protein (FKSG12)	AF311912.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3586	parathyroid hormone-like protein (PLP) gene, exc	M24349.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3587	partial AF-4 gene	AJ238093.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3588	partial LIMD1 gene for LIM domains	AJ312686.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3589	partial unknown mRNA from drug-resistant mela	AJ270695.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3590	PCCX2 mRNA for protein containing CXXC dom	AB031230.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3591	PDCL2	AAD30564.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3592	peanut-like protein 1, PNU1L1 (hCDCRel-1) (=A	Y11593	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3593	pendrin (PDS)	AF030880	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1

3594	PEP11 PROTEIN	spP38759	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3595	PEP19 (PCP4) (=X93349;U53709)	U52969	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3596	PER1 gene (=Rigui (RIGUI))	AF102137.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3597	pescadillo (PES1)	U78310	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3598	Pig3 (PIG3)	AF010309	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3599	pituitary tumor-transforming 1 interacting protein	NM_004339.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3600	PIUS	U74297	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3601	plasma glutamate carboxypeptidase (PGCP)	NM_006102.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3602	platelet glycoprotein IIB precursor	AAA60115.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3603	PMF16	AB006881	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3604	PMS1 PROTEIN HOMOLOG 1 (DNA MISMATCH REPAIR)	spP54277	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3605	PM-Scl-75 autoantigen (PM-scl) (=M58460)	U09215	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3606	polymorphic HindIII site DNA (THRB region)	X58041	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3607	polypyrimidine tract binding protein (heterogeneous)	NM_002819.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3608	PP1201 mRNA,	AF193045.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3609	PP2703	AF193051.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3610	PR-domain containing protein 10 (PRDM10)	NM_020228.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3611	PREGNANCY ZONE PROTEIN PRECURSOR (spP20742)	spP20742	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3612	PRKG1 gene	Z92885	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3613	PRO0066	AF113007.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3614	PRO0214 protein (PRO0214)	NM_014120.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3615	PRO0245 protein (PRO0245)	NM_014122.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3616	PRO0412 mRNA (=KIAA0213 gene )(= mitogen-activated protein kinase 10)	AF116604.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3617	PRO0461 protein (PRO0461)	NM_014072.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3618	PRO0529 protein (PRO0529)= AF111848.1	NM_014074.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3619	PRO0786 (=putative tumor suppressor ST13 (S1AF116650.1)	AF116650.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3620	PRO0989 (=CGI-54 protein)	AF116614.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3621	PRO1155 (=RBBP6)	AF116625.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3622	PRO1489	AF116637.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3623	PRO1546 (aa 1e-14,58%)	NP_061055.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3624	PRO1722	AAF69605.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3625	PRO1843 mRNA,(= initiation factor 4B)	AF119854.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3626	PRO1996 protein (PRO1996)	NM_014108.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3627	PRO2047 protein (PRO2047) (=PRO2003)	NM_014110.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3628	PRO2061	AF118092.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3629	PRO2134	AF118094.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3630	PRO2207	AF116692.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3631	PRO2219 mRNA, complete cds /cds=(823,1056) Hs.103657	AF119868.1	0	0.00%	1	0.01%	0	0.00%	1	0.01%	1
3632	PRO2222	AF119868.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3633	PRO2239	AF116696	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3634	PRO2309	AF119875.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3635	PRO2646(=RPS4Y)	AF116711.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3636	selective LIM binding factor, rat homolog (SLB)	AAF69654.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3637	PRO2832 (PRO2832)	NM_018541.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3638	PRO2975 (PRO2975)	NM_018548.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3639	PRO3091	AF119916.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3640	PRO3098	AF119917.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3641	Pro-Pol-dUTPase polyprotein	Y12713	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3642	prostacyclin synthase	D83402	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3643	prostaglandin-D synthase (RefSeq aa 3e-36)	NP_055300.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3644	prostate carcinoma tumor antigen (pcta-1) (ORF L78132.1	AF163475	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3645	prostate specific and androgen regulated cDNA	AF163475	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3646	prostatein c3 subunit	M71245	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3647	protein	L76155	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3648	protein (peptidyl-prolyl cis/trans isomerase) NIM	NM_006223.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3649	protein B	AF146793.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3650	protein inhibitor of activated STAT-1(RefSeq aa :NP_057250.1	NP_057250.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3651	protein S-alpha (PROS1) (=Y00692)	M23599	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1

3652 PSD-Zip45	AB017140	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3653 PTB domain adaptor protein CED-6	AF200715.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3654 PTB-like protein	AJ010585.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3655 PTD002 protein (PTD002) (=HSPC305)	NM_016144.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3656 PTD012	AF092133.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3657 PTD017 protein (PTD017)	NM_014046.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3658 PTH-responsive osteosarcoma B1 protein (B1)	AF095771.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3659 PTPL1-associated RhoGAP	U90920	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3660 PTS gene for 6-pyruvoyltetrahydropterin synthase	AB042297.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3661 putative (H. sapiens) (LOC134301)	XM_059705.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3662 PUTATIVE C10 PROTEIN (LOC113246)	L XM_053988.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3663 Putative prostate cancer tumorsuppressor (RefS NP_006756.1)		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3664 putative tumor suppressor ST13 (ST13) (=PROU17714.1)		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3665 QM [nontumorigenic Wilms' microcell hybrid cell: S64169.1]		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3666 R3H domain (binds single-strandednucleic acids NP_056970.1)		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3667 RAB14, member RAS oncogene family (RAB14)	XM_005342.4	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3668 RAB6C, member RAS oncogene family (RAB6C)	XM_038274.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3669 Rap2 interacting protein; similar to U73941 (PID: AAC82532.1)		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3670 rat activator of G-protein signaling 3 (AGS3) (like XM_054763.2)		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3671 rat myomegalin	NP_071754.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3672 RB-binding protein (rbp2h1a gene)	AJ243706.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3673 RC1-ST0278-160200-014-f03 ST0278 cDNA	AW818395.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3674 RC3-BT0319-240200-015-e12 BT0319	BE066091.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3675 recepin (CBF1 interacting corepressor (CIR)	U03644.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3676 Rer1 protein	AJ001421	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3677 RES4-22 gene with multiple splice variants near	NM_003704.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3678 reticulon 4c (=reticulon 4b)(= reticulon 4a)	AF087901.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3679 retinal short-chain dehydrogenase/reductase ret:	NM_016245.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3680 retina-specific 15.7 kDa protein	M34915	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3681 retinol-binding protein (RBP)	M10934	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3682 RETINOL-BINDING PROTEIN II, CELLULAR (C P50121)		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3683 REV3 (yeast homolog)-like, catalyticsubunit of DNP_002903.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3684 RGP3	U27655.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3685 RP42 homolog (RP42), mRNA /cds=(29,808) /gt Hs.104613		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3686 rpmJ, prlA, rplO, rpmD, rpsE, rplR, rplF, rpsH, rp	AE000408	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3687 rrlC, rrlC, aspT, trpT, yifA, pssR, yifE, yifB, ilvL, i	AE000453	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3688 SCL gene locus	AJ131016.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3689 seladin-1 (=KIAA0018)	AF261758.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3690 selective LIM binding factor, rat homolog (SLB)	XM_033196.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3691 serologically defined colon cancer antigen 10 (N NM_005869.1)		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3692 SH3GLP1 pseudogene, 5'	X99658.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3693 Si-1-8-16 mRNA, partial cds	AB044752.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3694 SIK similar protein	AF053232	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3695 single-minded (Drosophila) homolog 2 (SIM2), tr	NM_005069.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3696 Sjogren's syndrome/scleroderma autoantigen 1 (NM_006396.1)		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3697 Slit-2 protein	AB017168	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3698 Sm protein F (RefSeq aa 2e-41)	NP_009011.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3699 small cytoplasmic Y RNA (Y4) (=X57566 hy4 Ro L32608		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3700 small EDRK-rich factor 1, short isoform (SERF1)	AF073518.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3701 small fragment nuclease (DKFZP566E144)	NM_015523.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3702 SMART/HDAC1 associated repressor protein (S XM_057104.1)		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3703 SOCS box-containing WD protein SWIP-1 (SWIF AF072880.1)		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3704 spastic ataxia of Charlevoix-Saguenay (sacsin) (NP_055178.1)		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3705 speckle-type POZ protein (SPOP)	NM_003563.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3706 spm1 protein	Y15794.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3707 SRY (sex determining region Y)-box 13 (SOX13; NM_005686.1)		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3708 SRY (sex determining regionY)-box 22 (SOX22) NM_006943.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3709 SRY-box containing gene 5 (Sox5)	NM_011444.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1

3710	SS-A/Ro ribonucleoprotein autoantigen 60 kd su M25077	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3711	SSR alpha subunit Z12830	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3712	SSX4 protein gene AF196972.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3713	stat-like protein (Fe65) L77864	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3714	STS(STS SHGC-35393) G28601	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3715	sudD (suppressor of bimD6, Aspergillus nidulans) gi4507298	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3716	suppressor of cytokine signalling-1 (SOCS-1) (=U88326	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3717	Syne-18 AAG24393.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3718	synuclein, alpha (non A4 component of amyloid NM_007308.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3719	Tandem PH Domain Containing Protein-1 (TAPF NM_021622.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3720	Tax interaction protein 2 AF028824.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3721	TB1 M74089.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3722	TCP1 (t-complex-1) ring complex, polypeptide 5 NM_005998.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3723	tctex-1 E13405	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3724	TESS 2 protein (TESS 2 gene) (=DKFZp586B20AJ250865.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3725	testis specific ankyrin-like protein 1 (LOC51281) NM_016552.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3726	tex292 X80433	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3727	TFII-I protein(TFII-I) mRNA, (=general transcript AF015553.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3728	tip associating protein (TAP) U80073	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3729	TPA regulated locus; uncharacterized hypothala XM_054971.2	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3730	TPRD D83077	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3731	transitional epithelia response protein (TERE1) NM_013319.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3732	translocating chain-associating membrane prote XM_005185.3	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3733	Treacher Collins-Franceschetti syndrome 1 (TC NM_000356.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3734	TSA305 AB024763.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3735	TSC2 mRNA for tuberlin X75621	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3736	TYL gene X99688	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3737	unknown mRNA /cds=(1758,2294) /gb=AF32161Hs.33032	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3738	unknown protein 3'UTR Y09836.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3739	unknown protein LOC51035 (H. sapiens) (LOC1.XM_058485.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3740	unnamed protein product AK001715	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3741	unnamed protein product BAA91748.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3742	unnamed protein product BAA91974.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3743	unnamed protein product BAB14098.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3744	unnamed protein product BAB14662.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3745	unnamed protein product BAB14687.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3746	unnamed protein product BAB14809.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3747	unnamed protein product BAB15239.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3748	unnamed protein product BAB15362.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3749	unnamed protein product BAB15407.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3750	unnamed protein product BAB15427.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3751	unnamed protein product BAB15579.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3752	unnamed protein product (=HSPC314) BAB14755.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3753	unnamed protein product (aa 1e-15) BAB15433.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3754	UPF3 (UPF3) AF318575.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3755	up-regulated by BCG-CWS (=KIAA0062,=KIAA1 NP_071437.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3756	vault-associated RNA 1, complete sequence AF045143.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3757	vav 3 oncogene (VAV3) NM_006113.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3758	v-maf musculoaponeurotic fibrosarcoma(avian) c NP_005351.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3759	v-raf-1 murine leukemia viral oncogene homolog NM_002880.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3760	WAS protein family, member 1 (WASF1) (=KIAA NM_003931.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3761	WD-repeat protein (HAN11) NM_005828.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3762	Williams-Beuren syndrome chromosome region XM_051839.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3763	Wilms' tumour 1-associating protein (KIAA0105) Hs.119	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3764	Wiskott-Aldrich syndrome protein interacting pro Hs.24143	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3765	XE7 L03426	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3766	Xp22 bins 16-17 BAC GSHB-53117 (Genome SAC004805.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3767	Xq pseudoautosomal region; segment 1/2 AJ271735.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1

3768 xs31	Z36832	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3769 yeast Sec31p homolog (RefSeq aa 5e-76)	NP_057295.1	0	0.00%	2	0.01%	0	0.00%	0	0.00%	1
3770 YGR163, yeast homologue	AB017616	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3771 adrenodoxin gene, exon 4	M23668.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3772 annexin V-binding protein (ABP-10),(ORF)	D64062	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3773 ATPase subunit 6	BAA07295.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3774 ATPase, Ca sequestering (ATP2C1) (=KIAA134NM_014382.1		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3775 ATPase, Class I, type 8B member 2 (ATP8B2)	XM_036933.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3776 ATPase, H transporting, lysosomal (vacuolar pr	NM_004047.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3777 ATPase, H transporting, lysosomal (vacuolar pr	NM_005177.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3778 ATPase, H transporting, lysosomal (vacuolar pr	NM_001693.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3779 ATPase, H transporting, lysosomal (vacuolar pr	NM_004888.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3780 ATPase, Na/K transporting, alpha 2 ( ) polypep	NM_000702.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3781 ATPase, Na/K transporting, beta 1 polypeptide (NP_001668.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3782 ATP-binding cassette 7 iron transporter (ABC7)	AF133659.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3783 Ca2 -transporting ATPase, (ORF)	AJ010953	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3784 calsequestrin, cardiac	D55655	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3785 copper chaperone for superoxide dismutase (CC AF002210		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3786 F1-ATPase beta subunit (F-1 beta) (=X05606;M: X03559		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3787 F1-F0-ATPase	M64751	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3788 F1Fo-ATP synthase complex Fo membrane don	S70447	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3789 monocarboxylate transporter 1 (SLC16A1)	L31801	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3790 non-erythroid band 3-like protein (HKB3) (=U265 X03918		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3791 nonerythroid beta-spectrin	L02897	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3792 NRAMP2 gene for natural resistance-associated	AB015355.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3793 S100 calcium-binding protein A11 (calgizzarin) (: NM_005620.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3794 S100 calcium-binding protein A6 (calcyclin) (S1C XM_058243.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3795 sodium bicarbonate cotransporter 2b (NBC2B)(= AF089726.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3796 sodium bicarbonate cotransporter 3 (SLC4A7)	AF047033.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3797 solute carrier family 26	NM_000112.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3798 solute carrier family 5(sodium-dependent vitamir	NM_021095.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3799 solute carrier family 7 (cationic amino acid transp	gi4507052	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3800 vacuolar H ( )-ATPase subunit=13.7 kda F-ATP	S82464.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3801 vacuolar H -ATPase Mr 56,000 subunit (HO57)	L35249.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3802 vacuolar H ATPase Mr 70000 subunit	X61612	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3803 vacuolar proton ATPase membrane sector asso	Y17975	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3804 vacuolar sorting protein 35	AF191298	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3805 white gene protein (=AF038175)	X91249	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3806 Glycosyl transferase, similar to (=AF031835 ppC	AL033514	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3807 1,4-alpha-glucan branching enzyme (HGBE)	L07956	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3808 3-phosphoinositide dependent protein kinase-1 (	NM_002613.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3809 aldehyde dehydrogenase 1	K03000.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3810 aldo-keto reductase family 7, member A2 (allato	AF026947	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3811 aldose reductase (EC 1.1.1.2)	X15414	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3812 alpha-1,3(6)-mannosyl glycoprotein beta-1 (Ref	NP_002401.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3813 alpha-aminoacidipic semialdehyde dehydrogenase	AF302110.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3814 Alu co-repressor 1 (ACR1)(=AOEB166)	AF231705.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3815 amylo-1,6-glucosidase,4-alpha-glucanotransfera	NM_000646.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3816 beta-1,3-glucuronyltransferase 3 (glucuronosyltr	NM_012200.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3817 beta-1,3-N-acetyl glucosaminyl transferase (BET	NM_006876.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3818 beta-globin (HBB) gene haplotype C17, replicat	AF186616.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3819 carbohydrate (keratan sulfate Gal-6) sulfotransf	NM_003654.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3820 carbohydrate (N-acetylglucosamine 6-O) sulfotr	NM_021615.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3821 co-beta glucosidase (proactivator)	J03077	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3822 dTDP-4-keto-6-deoxy-D-glucose 4-reductase (tg	AJ243721.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3823 extracellular glycoprotein EMILIN-2 precursor (L	XM_029741.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3824 galactokinase (galk)	U26401	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3825 galactose-1-phosphate uridyl transferase (GALT	M96264	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1

3826	GALT3 protein mRNA, complete cds	AF154848.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3827	glucosamine-6-phosphate	AJ002231.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3828	glucosyltransferase	AJ224875.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3829	glycogen debranching enzyme isoform 2 (AGL)	U84008	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3830	glycogen synthase 1 (muscle) (GYS1)	NM_002103.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3831	glycogenin= glycogenin-1	X79537.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3832	glycogenin-2 delta (glycogenin-2) (=U94359;U94 U94360		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3833	hexokinase II pseudogene	U28387	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3834	hippocampus abundant gene transcript 1 (Hiat1) NM_008246.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3835	liver-type 1-phosphofructokinase (PFKL) (=X169 X15573		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3836	LNR42 (=AJ012409.1 Human hypothetical prote	AF238866	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3837	lysosomal alpha-mannosidase (MANB)	U05572.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3838	lysozyme	M19045.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3839	mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N- $\alpha$	NM_002406.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3840	mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N- $\alpha$	NM_002408.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3841	mannosyl-oligosaccharide alpha-1,2-mannosida	U04301.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3842	N-acetyl-alpha-glucosaminidase (HEXA), alpha- $\gamma$	M13520	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3843	N-acetylgalactosamine 6-sulfate sulfatase (GALI	D17629	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3844	N-acetylglucosamine-phosphate mutase; DKFZF	NM_015559.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3845	N-acetylglucosaminyl transferase component G $\gamma$	NM_004204.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3846	O-linked N-acetylglucosamine(GlcNAc) transfer	NM_003605.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3847	Phosphoglucomutase and phosphomannomutase	AL021481	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3848	phosphoglycerate mutase 2 (muscle specific iso	M55673	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3849	phosphoinositide-3-kinase, catalytic, alpha polyc	NM_006218.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3850	phosphomannomutase 2 (PMM2) gene (5e-10 r	AF157794.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3851	phosphoprotein enriched in astrocytes 15 (PEA1	NM_003768.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3852	platelet activating factor acetylhydrolase, brain is	U72342	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3853	pyruvate dehydrogenase (lipoamide) beta (PDH $\beta$ )	NM_000925.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3854	pyruvate kinase, muscle (PKM2)(=TCB)	NM_002654.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3855	siah binding protein 1 (SiahBP1)	U51586	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3856	sialidase 1 (lysosomal sialidase) (NEU1)	gi4557790	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3857	sialyltransferase 4C (beta-galactosidase alpha-2	NM_006278.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3858	sialyltransferase STHM (sthm)	U14550	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3859	sorbitol dehydrogenase (SORD)	U67243.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3860	suCRase-isomaltase (SI)	M84646	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3861	UDP-galactose transporter related	AB041549.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3862	UDP-galactose transporter related isozyme 1	D87989.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3863	UDP-glucose:glycoprotein glucosyltransferase 2	NM_020121.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3864	aldolase A, fructose-bisphosphate (ALDOA)	NM_000034.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3865	acid phosphatase 1, soluble (ACP1), transcript v	NM_004300.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3866	acyl-Coenzyme A oxidase 3, pristanoyl (ACOX3)	NM_003501.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3867	bleomycin hydrolase	X92106	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3868	casein kinase 1, epsilon (CSNK1E)	NM_001894.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3869	casein kinase 2, alpha 1 polypeptide (CSNK2A1	XM_049424.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3870	casein kinase 2, beta polypeptide (CSNK2B)	NM_001320.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3871	casein kinase I gamma 2 (=AF001177)	U89896	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3872	cysteine knot superfamily 1, BMP antagonist 1 ((	NM_013372.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3873	dual adaptor of phosphotyrosine and 3-phosphoi	XM_052416.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3874	GAP SH3 binding protein (Ras-GTPase-activator	U32519	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3875	GAP-associated protein (p190)	M94721	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3876	GAP-like protein (LOC51306)	NM_016603.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3877	kappa-casein	U51899	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3878	kinase substrate HASPP28	U26541.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3879	lysosomal acid phosphatase (=X12548)	X15535	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3880	PALM (=D87460 (KIAA0270))	Y16277	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3881	palmitoylated erythrocyte membrane protein (MF	M64925	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3882	PHKB gene (exon 25)	X84930.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3883	protein phosphatase (KAP1)	L27711.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1



3884	protein phosphatase 1 (PPP1R5)	Y18207	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3885	protein phosphatase 1 regulatory subunit 7 (PPF NM_002712.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3886	protein phosphatase 1, catalytic subunit, alpha i NM_002708.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3887	protein phosphatase 1, catalytic subunit, gamma Hs.79081		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3888	protein phosphatase 1, regulatory (inhibitor) subunit NM_005398.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3889	protein phosphatase 1, regulatory subunit 10 (Pf gi4506008		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3890	protein phosphatase 1, regulatory(inhibitor) subunit NP_005389.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3891	protein phosphatase 1, regulatory subunit 7 (Ref NP_002703.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3892	protein phosphatase 1G (formerly 2C), magnesium XM_033185.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3893	protein phosphatase 2 (formerly 2A), regulatory : XM_041325.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3894	protein phosphatase 2, regulatory subunit B (B5f NM_006243.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3895	protein phosphatase 2A B'alpha1 regulatory subunit U37352		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3896	protein phosphatase 2A regulatory subunit alpha J02902		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3897	protein phosphatase 2C beta AJ005458.1		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3898	protein phosphatase 5 (=U25174) X89416		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3899	protein phosphatase-1 catalytic subunit M63960		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3900	protein tyrosine phosphatase receptor type K (P* NM_002844.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3901	protein tyrosine phosphatase(TEP1) (ORF) U96180		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3902	protein tyrosine phosphatase, receptor type, alpha NM_002836.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3903	protein tyrosine phosphatase, receptor type, epsilon NP_006495.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3904	protein tyrosine phosphatase, receptor type, f po NP_003616.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3905	protein tyrosine phosphatase, receptor type, M (INM_002845.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3906	protein-tyrosine kinase, trkB X75958.1		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3907	3-hydroxy-3-methylglutaryl-coenzyme A (HMG-C M62633		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3908	3'-phosphoadenosine 5'-phosphosulfate synthetase AF105227.1		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3909	3'-phosphoadenosine 5'-prime-phosphosulfate synthetase NP_005434.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3910	5'(3')-deoxyribonucleotidase; RB-associated KR NM_014595.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3911	5'-3' exonuclease 1 NP_036046.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3912	5'-3' exonuclease X91617.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3913	5'-nucleotidase (purine) NM_012229.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3914	6-O-methylguanine-DNA methyltransferase (MG M29971.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3915	adenosine deaminase tRNA-specific 1 (ADAT1) NM_012091.2		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3916	adenosine monophosphate deaminase (isoform NM_000480.1		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3917	adenosine triphosphatase M95541.1		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3918	deoxyhypusine synthase L39068.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3919	deoxyribonuclease I-like 3 (DNASE1L3) NM_004944.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3920	dinucleotide miCRosatellite HUJ1177 M96348		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3921	exonuclease 1 (Xm1) NM_011916.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3922	G/T MISMATCH-SPECIFIC THYMINE DNA GLYCOSYLASE Q13569		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3923	guanylate kinase 1 (GUK1) XM_056887.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3924	inorganic pyrophosphatase AF119665.1		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3925	nucleoside diphosphate kinase homolog (DR-nr U80813.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3926	nudix (nucleoside diphosphate linked moiety X)-I NM_006703.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3927	nudix (nucleoside diphosphate linked moiety X)-II NM_007083.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3928	phosphodiesterase 10A (PDE10A) NM_006661.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3929	phosphodiesterase 1A, calmodulin-dependent (F NM_005019.1		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3930	phosphodiesterase 2A cGMP-stimulated (PDE2) NM_002599.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3931	phosphodiesterase 4B, cAMP-specific(dunce) (D) NP_002591.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3932	phosphodiesterase I/nucleotide pyrophosphatase NM_006209.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3933	RhoGAP, rat homologue (chromosome 13) gi4902677		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3934	ribonuclease A (RNase A) D26129		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3935	ribonuclease HI, large subunit (RNASEHI) NM_006397.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3936	ribonuclease P (30kD) (RefSeq aa 2e-78) NP_006404.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3937	RIBONUCLEASE PH-LIKE PROTEIN B0564.1 spQ17533		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3938	rod cGMP-phosphodiesterase gamma-subunit (F U00482		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3939	RY-1 putative nucleic acid binding protein X76302.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3940	single strand DNA-binding protein AF077048.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3941	thymidine kinase 1, soluble (TK1) K02581		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1

3942	thymine-DNA glycosylase (TDG)	NM_003211.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3943	L apoferritin	X03742	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3944	long-chain-fatty-acid-CoA ligase, homologue (SV Z81071		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3945	3-hydroxyisobutyryl-coenzyme A hydrolase	U66669	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3946	43 kDa inositol polyphosphate 5-phosphatase	Z31695	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3947	7-dehydrocholesterol reductase (DHCR7)	AF067127.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3948	abc1	X75926	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3949	acetyl-CoA carboxylase	X68968	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3950	acetyl-Coenzyme A acyltransferase 2 (mitochondr	NM_006111.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3951	acylphosphatase 2, muscle type (ACYP2)	X84195	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3952	alcohol dehydrogenase beta-1-subunit (ADH1-2	X03350	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3953	alpha-methylacyl-CoA racemase	AF047020	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3954	aquaporin adipose	AB006190	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3955	carnitine carrier	Y10319	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3956	carnitine octanoyltransferase	AF073770.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3957	carnitine palmitoyltransferase II, precursor (CPT	U09646	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3958	CDP-diacylglycerol synthase(phosphatidate cyti	NP_001254.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3959	choline kinase isolog 384D8_3	U62317	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3960	choline phosphotransferase 1 beta (=cholinepho	AF195624.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3961	CTL1 protein (70% aa)	AJ245620	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3962	CTL2 gene	AJ245621.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3963	delta-6 fatty acid desaturase (FADS6)	NM_004265.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3964	dihydrolipoamide acetyltransferase (PDC-E2) (E	Y00978.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3965	dihydrolipoamide branched chain transacylase (I	XP_001705.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3966	Drosophila fat facets related, X-linked (RefSeq a	NP_004643.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3967	fat facets protein	AJ012078	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3968	fatty acid binding protein 3, muscle and heart (m	NM_004102.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3969	fatty acid binding protein 7, brain (FABP7) mRN	NM_001446.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3970	fatty acid desaturase MLD, putative (contains A	AF002668	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3971	fatty-acid-Coenzyme A ligase, long-chain 3 (Ref	NP_004448.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3972	fumarylacetoacetate hydrolase	M55150.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3973	geranylgeranyl diphosphate synthase 1(RefSeq	NP_004828.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3974	hydroxysteroid (17-beta) dehydrogenase 7 (Ref	NP_057455.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3975	L-3-hydroxyacyl-CoA dehydrogenase (=AF0019	X96752	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3976	lanosterol 14-alpha demethylase cytochrome P4	U51692.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3977	lipoyltransferase, complete cds	AB017567.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3978	methylmalonate-semialdehyde dehydrogenase (	NM_005589.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3979	mitochondrial short-chain enoyl-CoA hydratase	D13900	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3980	muscle fatty-acid-binding protein (FABP)	X56549.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3981	neuronal PAS domain protein 3 (Npas3)	NM_013780.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3982	oxysterol binding protein (RefSeq aa 1e-87)	NP_002547.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3983	p55PIK phosphatidylinositol 3-kinase regulatory	S79169	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3984	perilipin	AB005293.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3985	phosphatidylcholine 2-acylhydrolase (cPLA2)	M68874.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3986	phosphatidylinositol 3-kinase, class 3 (RefSeq a	NP_002638.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3987	Phosphatidylinositol transfer protein (PI-TP) al	D30036.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3988	phospholipase C, epsilon (PLCE)=D42108	NM_006226.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3989	Phospholipase C-delta1 (Plcd1)	NM_017035.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3990	phospholipase D1, phosphatidylcholine-specific (I	NM_002662.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
3991	pleckstrin homology domain-containing, family A	XM_011878.3	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
3992	prostaglandin endoperoxide H synthase-1	AF129755.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3993	prostaglandin endoperoxide synthase-2, PTGS2	D28235	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3994	RASF-A PLA2 (synovial phospholipase)	M22431	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3995	RED CELL ACID PHOSPHATASE 1, ISOZYME	spP24666	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3996	Sac domain-containing inositol phosphatase 2 (	NM_014937.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3997	saposin proteins A-D	M32221	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
3998	squalene synthase	X69141	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
3999	steroid 5-alpha-reductase	M32313	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1

4000 steroid membrane binding protein	X99714	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4001 steroid sulfatase (STS)	M16505	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4002 tissue factor pathway inhibitor (lipoprotein-assoc NP_006278.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4003 urf4 (ORF)= NADH-UBIQUINONE OXIDOREDU L00016		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4004 ATP SYNTHASE B CHAIN, MITOCHONDRIAL I spP24539		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4005 ATP synthase inhibitor protein	M22559	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4006 ATP synthase subunit c, P1	D13118	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4007 ATP synthase, H transporting, mitochondrial F0 NM_005176.3		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4008 ATP synthase, H transporting, mitochondrial F1 NM_001686.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4009 ATP synthase, H transporting, mitochondrial F1 NM_006886.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4010 ATP synthase, H transporting, mitochondrial F1 NP_001688.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4011 ATP synthetase beta-subunit	X05606	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4012 ATP synthetase epsilon-subunit, nuclear-endoc X16978		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4013 ATP(GTP)-binding protein	AJ010842.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4014 breast cancer metastasis-suppressor 1 (BRMS1 AF159141.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4015 COX15 (yeast) homolog, cytochrome c oxidase NM_004376.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4016 CYTOCHROME B	P00156	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4017 cytochrome b large subunit of complex II	D49737	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4018 cytochrome bc-1 complex core P	S74321	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4019 cytochrome c oxidase chain I [MesoCRicetus au U97674		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4020 cytochrome c oxidase subunit II [Aribaeus jamaic AF061340		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4021 cytochrome c oxidase subunit IV (COX4), nucle NM_001861.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4022 cytochrome c oxidase subunit VIb (EC 1.9.3.1) X13923		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4023 cytochrome c oxidase subunit VIIa polypeptide 1 NP_001855.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4024 cytochrome c oxidase VIIC (EC 1.9.3.1) X52940		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4025 cytochrome c-1 (CYC1)	NM_001916.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4026 cytochrome oxidase I	CAA24028.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4027 cytochrome-c oxidase (EC 1.9.3.1) chain I C59153		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4028 ferredoxin 1 (FDX1) mRNA	NM_004109.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4029 glyoxylate reductase/hydroxypyruvatereductase NP_036335.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4030 GTP AMP phosphotransferase mRNA, complete AF183419.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4031 Hsa4 mitochondrion cytochrome oxidase subuni U12692.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4032 isocitrate dehydrogenase	U52144.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4033 isocitrate dehydrogenase 1 (NADP ), soluble (ID NM_005896.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4034 isocitrate dehydrogenase 3 (NAD ) gamma (IDH: NM_004135.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4035 malate dehydrogenase precursor (MDH) (mitoch AF047470		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4036 malonyl-CoA decarboxylase precursor (MLYCD) AF097832.2		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4037 mitochondria isolate Aus3 cytochrome b (CYTB AF042516		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4038 mitochondria solute carrier protein (MSCP) AY032628.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4039 mitochondrial (Asian) DNA control region, seque M76321.1		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4040 mitochondrial ATP synthase c subunit (P2 form) X69908		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4041 mitochondrial ATPase subunit 9	M16439	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4042 mitochondrial carrier homologue 1 (=CGI protein AF176006.1		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4043 mitochondrial control region II, sample NG14 L39338		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4044 mitochondrial cytochrome b	AB033713.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4045 MITOCHONDRIAL CYTOCHROME B-245 HEA' spQ61093		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4046 mitochondrial cytochrome c oxidase subunits I, I M27315		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4047 mitochondrial D-loop (isolate RomB15) AJ230609.1		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4048 mitochondrial DNA complete genome	X93334.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4049 mitochondrial DNA,	D38112.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4050 mitochondrial genes coding for three transfer RN V00665		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4051 mitochondrial glutathione reductase and cytosoli AF228703.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4052 mitochondrial HSP75	L15189	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4053 mitochondrial initiation factor 2	L34600	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4054 mitochondrial intermediate peptidase (MIPEP), nNM_005932.1		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4055 MITOCHONDRIAL PROCESSING PEPTIDASE spO75439		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4056 mitochondrial processing peptidase beta-subunit AF054182		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4057 mitochondrial solute carrier (LOC51312) XM_040570.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1

4058	NAD(P)H: quinone oxireductase gene	M81600.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4059	NADH dehydrogenase (ubiquinone) 1 beta subo	gi4758781	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4060	NADH dehydrogenase (ubiquinone) Fe-S-protein	NP_002486.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4061	NADH dehydrogenase subunit 3(RefSeq aa 8e- <sup>4</sup>	gi5835395	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4062	NADH dehydrogenase subunit 5 (RefSeq aa 3e-	gi5835398	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4063	NADH dehydrogenase(ubiquinone) 1 alpha subc	NM_004544.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4064	NADH:ubiquinone oxidoreductase MLRQ subuni	AF164796.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4065	NADH:ubiquinone oxidoreductase NDUFS3 (OR	AF067139	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4066	NADH-cytochrome b5 reductase isoform	AF125533.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4067	NADH-UBIQUINONE OXIDOREDUCTASE 18 K sp	Q43181	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4068	NADH-UBIQUINONE OXIDOREDUCTASE 30 K P	23709	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4069	NADH-UBIQUINONE OXIDOREDUCTASE B17 sp	Q29259	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4070	NADH-ubiquinone oxidoreductase B8 subunit	ml AF077029	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4071	NADH-UBIQUINONE OXIDOREDUCTASE CHA P	03897	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4072	NADH-UBIQUINONE OXIDOREDUCTASE CHA P	03915	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4073	NADH-UBIQUINONE OXIDOREDUCTASE MWI sp	O15239	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4074	NADH-ubiquinone oxidoreductase subunit B14.5	AF070652.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4075	NADH-ubiquinone oxidoreductase subunit CI-B8	AF047185	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4076	NADPH-flavin reductase	D26308	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4077	NDUFB8 gene	Y16004.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4078	NRH:quinone oxidoreductase 2 gene (NQO2)	AB050248.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4079	nuclear aconitase (mitochondrial)	U80040	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4080	p6=cytochrome c oxidase subunit VIc homolog	C S82616	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4081	quinolinate phosphoribosyltransferase (nicotinat	NM_014298.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4082	succinate dehydrogenase iron-protein subunit (s	U17248.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4083	Succinic semialdehyde dehydrogenase (SSADH	NM_001080.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4084	succinyl-CoA synthetase GTP-specific beta sub	AF171077.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4085	UBIQUINOL-CYTOCHROME C REDUCTASE C sp	O14949	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4086	beacon	AAG34704.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4087	biotinidase	U03274	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4088	dihydroxypolyprenylbenzoate methyltransferase	L20427	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4089	folylpolyglutamate synthase (FPGS) mRNA	NM_004957.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4090	isolate sporadic PCT patient 10 uroporphyrinoge	AF104440.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4091	non-functional folate binding protein	NP_037439.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4092	nonfunctional GM3 synthase	AF119417.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4093	Porphobilinogen deaminase (PBG-D, EC 4.3.1.8	X04217.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4094	pterin-4a-carbinolamine dehydratase (PCBD) (=I	L41559	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4095	nonhepatic arginase	D86724.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4096	6-pyruvoyltetrahydropterin synthase(RefSeq aa	: NP_000308.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4097	amine oxidase, copper containing 3 (vascular ad	NM_003734.2	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4098	Arg/Abl-Interacting protein ArgBP2a (ArgBP2a)	( AF049884	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4099	ArgBP1B protein (=Arg protein tyrosine kinase-bi	X95677.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4100	arginine methyltransferase	Y10806	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4101	aspartate aminotransferase 1 (RefSeq aa 1e-51)	NP_002070.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4102	basic leucine zipper nuclear factor 1 (JEM-1) (B	L NM_003666.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	1
4103	colon and small intestine-specific cysteine-rich p	Hs.307047	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4104	cytidine deaminase	AF061658.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4105	DHHC1 protein	AF247703.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4106	dipeptidyl peptidase IV (CD26)	U13735.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4107	duodenal cytochrome b (FLJ23462), mRNA	XM_015916.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4108	extremely cysteine/valine rich protein [Leishman	AL390114	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4109	fucosidase, alpha-L- 1, tissue (FUCA1)	gi4503802	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4110	fumarase nuclear gene encoding mitochondrial	U48857.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4111	fumarase precursor (FH) (mitochondrial)	U59309	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4112	gamma-glutamyl hydrolase (conjugase, folylpoly	XM_005313.4	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4113	glutaminase isoform C mRNA, 3'UTR	AF097494.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4114	glutaminy-peptide cyclotransferase (glutaminy	l Hs.79033	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4115	glycine C-acetyltransferase (2-amino-3-ketobuty	l NM_014291.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1

4116	glycine cleavage system protein H (aminomethyl NP_004474.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	1
4117	glycine-rich protein 2 AJ130887	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4118	glycosylasparaginase (=X55330;M64073)	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4119	glycosyltransferase (LOC83468) XM_049187.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4120	H-protein M69175	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4121	HPV16 E1 protein binding protein U96131.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4122	HPV-16 E2 binding protein (E2BP-1) (=TCFL5) AF070992.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4123	isoleucyl-tRNA synthetase D28473	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4124	isovaleryl-CoA dehydrogenase (IVD) gene, exon AF038318.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4125	Kreisler (mouse) maf-related leucine zipper hom NM_005461.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4126	kynurenine 3-monooxygenase (kynurenine 3-hy NM_003679.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4127	lacrimal proline rich protein (RefSeq aa 2a-78) NP_009175.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4128	L-arginine:glycine amidinotransferase X86401	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4129	Leu zipper protein p40(61%) gij382917	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4130	leucine zipper protein Fip3p (=AF074382 kb kin AF062089	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4131	leucine-zipper protein FKSG13 (LOC90598) XM_032849.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4132	lysosomal glycosylasparaginase (AGA) (=X5533 U21281.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4133	MBIP protein (MBIP) NM_016586.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4134	methionine adenosyltransferase regulatory beta AF182814	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4135	methionyl tRNA synthetase D84224	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4136	methyl-CpG binding domain protein 3 (MBD3) NM_003926.4	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4137	mitochondrial isoleucine tRNA synthetase, D28500.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	1
4138	ornithine decarboxylase (contains Alu repeat) M33764	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4139	ornithine decarboxylase antizyme 2 (OAZ2) NM_002537.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4140	orotidine 5'-monophosphate decarboxylase M36661	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4141	periodic tryptophan protein 2 (PWP2) U56085	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4142	polyglutamine-containing C14ORF4 gene AJ277365.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4143	proline isomerase FK506-binding protein (FKBP L18980.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4144	pyrroline-5-carboxylate synthase long form (P5C U76542.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4145	selenium binding protein 1 (RefSeq aa 8a-40) NP_003935.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4146	selenocysteine lyase (SCLY) NM_016510.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4147	serine (or cysteine) proteinase inhibitor, clade H XM_035024.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4148	serine carboxypeptidase 1 precursor protein (HS NM_021626.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4149	spermine synthase gene AJ009633.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4150	suppressor of S. cerevisiae gcr2 (HSGT1) NM_007265.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4151	BCS1 (yeast homolog)-like (BCS1L) AF026849	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4152	SCAD gene, 5' UTR exon 1 and 2 (and joined C1280345.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4153	selenoprotein N AF166125.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4154	selenoprotein X (LOC51734) NM_016332.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4155	LENG5 protein (LENG5), mRNA NM_024075.1	1	0.01%	1	0.01%	0	0.00%	0	0.00%	1
4156	cap-binding protein 4EHP AF047695	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4157	elongin B; transcription elongation factor B, poly NP_009039.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4158	eukaryotic initiation factor 2B-epsilon U23028.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4159	eukaryotic translation initiation factor (eIF3) U78525	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4160	eukaryotic translation initiation factor 1A (RefSeq NP_001403.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4161	eukaryotic translation initiation factor 3, subunit NM_003754.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4162	eukaryotic translation initiation factor 3, subunit NM_003752.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4163	eukaryotic translation initiation factor 3, subunit NM_003751.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4164	eukaryotic translation initiation factor 4 gamma, NM_003760.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4165	hydantidiform mole associated and imprinted (HY AF241534.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4166	initiation factor eIF-2B gamma subunit (eIF-2B g U38253.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4167	MAMMA1 cDNA clone MAMMA1001942 5 AU122237.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4168	met-tRNA-i gene 2 (clone lambda-htm2) J00311	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4169	peptide elongation factor 1-beta mRNA, complet AF103726	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4170	region containing eukaryotic translation elongat XM_016036.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4171	translation initiation factor 4e AF038957.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4172	translation repressor NAT1 (=eukaryotic translati U76111.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4173	unr-interacting protein AJ010025.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1

4174	838.98 23S ribosomal RNA gene	AF146762.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4175	GAR1 protein (GAR1 gene)	AJ276003.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4176	mitochondrial ribosomal protein L11 (MRPL11)	XM_006493.4	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4177	mitochondrial ribosomal protein L18 (MRPL18), i	Hs.23038	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4178	mitochondrial ribosomal protein L22 (MRPL22), i	Hs.41007	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4179	mitochondrial ribosomal protein L3 (MRPL3), mF	Hs.79086	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4180	mitochondrial ribosomal protein L33 (MRPL33), i	Hs.14454	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4181	mitochondrial ribosomal protein S12	Y11681	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4182	mitochondrial ribosomal protein S21 (MRPS21),	Hs.81281	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4183	mitochondrial ribosomal protein S30 (MRPS30),	Hs.28555	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4184	ribosomal L21 protein gene	L38826.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4185	ribosomal protein (RPS4Y) isoform	M58459	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4186	ribosomal protein 60S acidic ribosomal	NM_016183.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4187	ribosomal protein L17 isolog	AF164797	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4188	ribosomal protein L20	AE002038	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4189	ribosomal protein LLRep3	X17206	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4190	ribosomal protein, complete cds	D23660.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4191	ribosomal RNA 12S	X13956	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4192	ribosomal RNA 23S gene	AF146762	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4193	ribosomal RNA 28S	M30952.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4194	Ribosomal RNA processing	NM_014285.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4195	ribosomal RNA, large subunit ATCC 46578	U17421	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4196	ribosomal subunit protein L13	AE000402	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4197	ribosome associated membrane protein RAMP4	AJ238236.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4198	ribosome receptor, p180	X87224	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4199	RPL15 gene for ribosomal protein L15, complete	AB061823.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4200	RPL6 gene for ribosomal protein L6, complete $\alpha$	AB042820.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4201	STEROL-REGULATORY ELEMENT-BINDING F	spO43462	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4202	surf3 gene (ribosomal protein L7a)	X61923.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4203	acid sphingomyelinase (ASM) gene, exons a, an	M59917	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4204	ADAMTS-1	AB001735	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4205	amyloid precursor protein homolog HSD-2	AF168956.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4206	amyloid precursor protein-binding protein 1	U50939	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4207	antileukoprotease (ALP)	X04470	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4208	basigin (BSG)(= M6 antigen)	NM_001728.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4209	CARBOXYPEPTIDASE H PRECURSOR (CPH)	spP16870	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4210	carboxypeptidase Z (CPZ)	NM_003652.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4211	cathepsin S (CTSS)	M90696.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4212	cathepsin Z precursor (CTS <sub>Z</sub> ) gene, exons 4, 5,	AF136276.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4213	collagenase stimulatory factor (EMMPRIN) (=L2)	L10240	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4214	cysteine sulfinic acid decarboxylase-related prot	AF116548.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4215	ENO2 gene for neuron specific (gamma) enolase	X51956.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4216	inhibitor 2 of protein phosphatase 1	AJ133812.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4217	matrix metalloproteinase 19 (MMP19)	NM_002429.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4218	metallocarboxypeptidase CPX-1	AF077738	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4219	metalloproteinase, complete cds	D83646.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4220	pancreatic carboxypeptidase B1 precursor (RefSeq)	NP_001862.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4221	parvulin	AB009690.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4222	peflin (PEF)	NM_012392.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4223	peptidase (mitochondrial processing) beta (PMP)	XM_055749.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4224	peptidase D (PEPD) =J04605, prolidase(imidodipeptidase)	NM_000285.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4225	placental leucine aminopeptidase	D50810.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4226	procollagen C-proteinase enhancer protein type	AB008549.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4227	procollagen type I proalpha 1	K01228.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4228	procollagen type I pro-alpha 2 chain (COL1A2) n	AF035120	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4229	prolactin	U33446	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4230	protease inhibitor 1 (anti-elastase),alpha-1-antitrypsin	NP_000286.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4231	protease inhibitor 9 (ovalbumin type)(RefSeq aa)	NP_004146.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1

4232	protease subunit S5a (=U72664 S5a/antiseCRel U51007	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4233	protease, serine, 15 (PRSS15) (=Lon protease) NM_004793.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4234	proteasome (prosome, macropain) 26S subunit, NM_006503.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4235	proteasome (prosome, macropain) 26S subunit, NM_002814.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4236	proteasome (prosome, macropain) 26S subunit, NM_002811.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4237	proteasome (prosome, macropain) activator subunit NP_002809.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4238	proteasome (prosome, macropain) subunit, alpha NP_002777.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4239	proteasome (prosome, macropain) subunit, alpha NP_002781.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4240	proteasome (prosome, macropain) subunit, beta NP_002788.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4241	proteasome (prosome, macropain) 26S subunit, NM_002807.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4242	proteasome (prosome, macropain) 26S subunit, NM_002813.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4243	PROTEASOME COMPONENT C3 (MACROPAI spP25787	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4244	PROTEASOME COMPONENT C5 (MACROPAI spP20618	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4245	proteasome inhibitor hPI31 subunit D88378	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4246	proteasome subunit Hsc7-l D26599	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4247	proteasome subunit p3126S D38047	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4248	proteasome subunit p44.5 26S AB003102	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4249	proteasome subunit p58 D67025	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4250	proteasome subunit p97 26S D78151.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4251	protein arginine N-methyltransferase 1 (HRMT1) AF222689	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4252	protein arginine N-methyltransferase 2 (PRMT2) U80213	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4253	PROTEIN PLT spQ02083	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4254	protein product (=AF125387) D.melanogaster L8 AK000987	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4255	protein rapamycin associated protein (FRAP2) g U88966.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4256	protein translocation complex beta (SEC61B) NM_006808.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4257	proteinase chain 5a (non-exact 71%) 26S NM_002810.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4258	serine protease, umbilical endothelium (SPUVE) NM_007173.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4259	sorting nexin 10 (SNX10) AF121860.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4260	sorting nexin 11 (SNX11) NM_013323.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4261	stromelysin-3 X57766	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4262	thimet oligopeptidase (metalloproteinase) (=U29 Z50115	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4263	thrombin inhibitor Z22658.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4264	TIMP-3 (=mig-5) (=K222) D45917	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4265	tissue inhibitor of metalloproteinase 2 (TIMP2) NM_003255.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4266	tissue inhibitor of metalloproteinase 4 (TIMP4) g AF057532.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4267	tripeptidyl peptidase II (TPP2) NM_003291.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4268	trypsin-like serine protease (TLSP) gene AF164623.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4269	Ubc6p homolog U93242.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4270	33 polypeptide X07266	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4271	BRCA1, Rho7 and vat1 genes L78833.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4272	BRCA1-associated RING domain protein (BARD AF038042.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4273	chaperonin subunit 5 (epsilon) (Cct5) (=D43950. gi6671701	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4274	deubiquitinating enzyme (UNPH4)= AF153604 u AF106069	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4275	E1-E2 ATPase AF155913.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4276	farnesyl transferase, CAAX box, beta (FNTB) NM_002028.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4277	F-box only protein 3 (FBXO3) NM_012175.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4278	F-box only protein 9 (FBXO9), transcript variant : Hs.11050	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4279	F-box protein Fbl3a (ORF) AF129532_1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4280	F-box protein FBX11 AF176706	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4281	F-box protein Fbx25 AAF04526.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4282	F-box protein FBX29 (FBX29) AF176707.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4283	F-box protein Lilina (LILINA) AF179221.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4284	hkf-1 D76444	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4285	huntingtin interacting protein HYPB AF049610.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4286	huntingtin-interacting AF049528	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4287	LUCA-15 protein splice variant AF107493	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4288	miCRosomal signal peptidase complex (SPC 18) J05466	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4289	MRS1 protein (MRS1) NM_015368.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1

4290	myristoyl-CoA:protein N-myristoyltransferase	Y17208.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4291	Nedd4-like ubiquitin-protein ligase (LOC116013 XM_057201.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4292	neuronal calcium sensor (NCS-1)	L27421	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4293	N-myristoyltransferase 2 (NMT2)	NM_004808.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4294	paired basic amino acid cleaving enzyme (furin, NM_002569.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4295	peptidylprolyl isomerase (cyclophilin)-like 3 (PPII NM_032472.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4296	peptidylprolyl isomerase D (cyclophilin D) (PPID) Hs.143482		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4297	peroxisomal acyl-coenzyme A oxidase	S69189	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4298	PEROXISOMAL ANTIOXIDANT ENZYME (LIVE spP30044		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4299	peroxisomal Ca-dependent solute carrier	AF004161	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4300	prolyl oligopeptidase	X74496	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4301	protein disulfide isomerase-related (PDIR)	NM_006810.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4302	protein gene product (PGP) 9.5 (=P09936 UBIQ X04741		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4303	rapamycin- and FK506-binding protein	M75099.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4304	ribophorin I	Y00281	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4305	signal recognition particle 19kD (SRP19), mRNA NM_003135.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4306	site-1 protease(subtilisin-like, sterol-regulated, cl NM_003791.1		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4307	SRcyp protein (=U40763 Clk-associated RS cycl X99717		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4308	synthetic ubiquitin (UBCEP80) gene	M24507.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4309	TL132	AJ012755	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4310	translocon-associated protein alpha subunit (=D AF156965.1		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4311	ubiquinone oxidoreductase complex CI-PDSW	X63224	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4312	ubiquitin associated protein (UBAP),	NM_016525.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4313	UBIQUITIN CARBOXYL-TERMINAL HYDROLASE spQ24574		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4314	ubiquitin carrier protein E2-C (UBCH10)(= cyclin NM_007019.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4315	ubiquitin conjugating enzyme (UbcH8)	AF031141	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4316	ubiquitin conjugating enzyme type UBC9	X96427.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4317	Ubiquitin conjugating enzyme UEV1Bs (UBE2V) U97280.1		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4318	ubiquitin fusion degradation 1-like(RefSeq aa 6e NP_005650.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4319	ubiquitin ligase (Nedd4) protein	U50842	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4320	ubiquitin specific protease 13 (isopeptidase T-3) NP_003931.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4321	ubiquitin specific protease 3 (USP3), mRNA /cds Hs.251636		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4322	ubiquitin specific protease 7 (herpes virus-assoc NM_003470.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4323	ubiquitin specific protease 8 (USP8)(=KIAA0055 NM_005154.1		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4324	ubiquitin specific protease 9 (USP9Y)	XM_000563.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4325	ubiquitin-activating enzyme E1 (A1S9T and BN7 NM_003334.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4326	ubiquitinating enzyme E2-230 kDa	U20780.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4327	UBIQUITIN-CONJUGATING ENZYME E2-17 KI spP23567		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4328	ubiquitin-conjugating enzyme E2A (RAD6 homolog gi4507768		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4329	ubiquitin-conjugating enzyme E2I (homologous t XM_007786.5		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4330	ubiquitin-conjugating enzyme E2L 1 (UBE2L1) = NM_003346.1		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4331	ubiquitin-conjugating enzyme HBUCE1 (LOC516 NM_015983.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4332	ubiquitin-conjugating enzyme UbcM2	AF003346	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4333	ubiquitin-conjugating enzyme UbcM3	X92665	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4334	ubiquitin-like protein	D23662	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4335	ubiquitin-protein ligase E3-alpha (UBR1) gene, e AF067385.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4336	ubiquitin-protein ligase NEDD4-like (NEDD4L)	NM_015277.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4337	vacuolar protein sorting 35	NM_018206.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4338	vacuolar protein sorting 45B (yeast homolog) (VI NM_007259.1		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4339	vacuolar protein sorting homologue h-vps45	U35246	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4340	vacuolar protein sorting protein 16	AAG34678.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4341	VACUOLAR PROTEIN SORTING-ASSOCIATE1 spQ02767		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4342	vacuolar proton pump delta polypeptide (VATD)	NM_015994.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4343	zinc metalloproteinase,STE24 (yeast, homolog)	NM_005857.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4344	zinc transporter 1 (ZNT1)	AF048701.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4345	AZ2	AB007141	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4346	bromodomain protein CELTIX1	AAF19526.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4347	corticotropin releasing hormone-binding protein (NM_001882.2		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1



4348 ID4 protein	Y07958	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4349 inhibitor of DNA binding 2, dominant negative he	XM_045365.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4350 inhibitor of kappa light polypeptide gene enhanc	NP_003631.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4351 methyl-CpG-binding protein 2	AJ132917.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4352 modifier 3 (M33) (=Y13274 M33 polycomb-like p	Y13274	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4353 neural retinal-specific	U95012.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4354 neural specific protein CRMP-2 gene	U83278.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4355 TANK-binding kinase 1 (TBK1)	NM_013254.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4356 TBP-associated factor 170 (TAFII170)(low matc	AJ001017.2	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4357 4-aminobutyrate aminotransferase (ABAT), nucl	NM_000663.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4358 activating transcription factor 6 (RefSeq aa 2e-7	NP_031374.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4359 adenovirus 5 E1A binding protein (BS69)	NM_006624.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4360 AF-6	AB011399	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4361 AT-binding transcription factor 1 (ATBF1)(= zinc	NM_006885.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4362 BACH1	AB002803.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4363 basic transCRiption factor 62kD subunit (BTF2)	M95809	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4364 basic-leucine zipper nuclear factor (JEM-1)	U79751	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4365 BCE-1 protein (BCE-1)	NM_007005.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4366 B-cell CLL/lymphoma 3 (BCL3)	NM_005178.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4367 Bcl-2-associated transcription factor short form n	AF249273.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4368 beta-hydroxysteroid dehydrogenase type VII 17	AF098786.2	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4369 B-IND1 protein (B-ind1)	Z97207.2	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4370 B-myb	X13293	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4371 BTF3 protein homologue gene, complete cds /cc	Hs.181967	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4372 C3HC4-like zinc finger protein	AF214680	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4373 CAGH1a (CAGH1)	U80738	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4374 cAMP responsive element modulator (CREM)	AF213898.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4375 CCAAT transCRiption binding factor subunit gan	Z74792	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4376 CCT (chaperonin containing TCP-1) epsilon sub	Z31555	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4377 cell growth regulatory with ring finger domain (C	NM_006568.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4378 Che-1 (ORF)	AF083208	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4379 c-helix-loop-helix-PAS orphan MOP3	AF044288.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4380 chick ovalbumin upstream promoter transcrip	M62760.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4381 cis-acting sequence	M82882.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4382 CREB binding protein (Rubinstein-Taybi syndr	gi4758055	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4383 CREB327=cyclic AMP-responsive enhancer bin	S72459	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4384 CRE-BP1 transcription factor = cyclic AMP resp	U16028.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4385 DNA (cytosine-5-)-methyltransferase 1(RefSeq	NP_001370.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4386 DNA for 3' untranslated region of the Id4 dom	NP_001971	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4387 DNA-binding factor (ORF)	M29204	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4388 DNA-binding protein (mbp-1)	M32019.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4389 DNA-BINDING PROTEIN RFXANK	spO14593	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4390 Dr1-associated corepressor (DRAP1)	U41843	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4391 erm	X96375	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4392 erythroid differentiation-related factor 1	AF040247.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4393 ETO=MTG8 (=X79990;D14289;D43638;D13979	S78158	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4394 ETS (qh43e05.x1 Soares_NFL_T_GBC_S1 clon	AI239823	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4395 ets-like protein (clone 3A)	Z49982.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4396 ETX1, ETX1=X-linked retinitis pigmentosa (RP3)	S82496.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4397 frezzled (fre) mRNA, complete cds	U68057.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4398 Friend of GATA2 (FOG2)	NM_012082.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4399 frizzled-1	AB017363	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4400 frizzled-7	AB017365	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4401 g1-related zinc finger protein	AF171875	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4402 GCN5 (general control of amino-acid synthesis,	NP_001487.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4403 general transcription factor IIIC, polypeptide 2 (b	NP_001512.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4404 GT212	L38935.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4405 hairy/enhancer-of-split related with YRPW motif	NP_012258.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1

4406	hbrn	X72889.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4407	helix-loop-helix protein (ld-2)	M97796.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4408	helix-loop-helix transcription factor sequence	M97636.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4409	hepatocellular carcinoma associated ring finger	AF247565.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4410	HIV associated non-Hodgkin's lymphoma (clone Y16715		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4411	HIV-1 rev binding protein 2 (RefSeq aa 5e-83)	NP_008974.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4412	HIV-1 Vpr-binding protein (VprBP)	AF061935.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4413	HIV-associated non-Hodgkin's lymphoma (clone Y17170		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4414	HIV-EP2/Schnurri-2	M60119.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4415	HMG box containing protein 1	AF019214	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4416	homeo box B5 (HOXB5)	NM_002147.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4417	homeo box C10 (HOXC10), (=homeoprotein C1)	NM_017409.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4418	homeobox protein mRNA, 3' end, clone HOX2.3	M30598.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4419	homeodomain interacting protein kinase 2 (Hipk)	NM_010433.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4420	homeostasis endoplasmic reticulum protein (ERI)	NM_006387.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4421	HOX2H	X16665	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4422	HRS gene, partial cds (=SRP40-1)	AF020307.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4423	Hypothetical zinc finger-like protein	AAF88107.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4424	hypoxia inducible factor (aHIF) antisense R+D2	U85044.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4425	hypoxia inducible gene-14	AB017708.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4426	HZF2 zinc finger protein	X78925	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4427	HZF4 mRNA for zinc finger protein	X78927.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4428	HZF9 zinc finger protein	X78932.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4429	Id1 (=U57645;S78825)	X77956	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4430	interferon regulatory factor 3 (IRF3)	NM_001571.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4431	Jun activation domain binding protein	U65928.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4432	jun dimerization protein gene	AF111167.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4433	KIAA0744 gene product; histone deacetylase 7 (NM_014707.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4434	KIAA1605 (=transcription factor LZIP-alpha gene)	AB046825.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4435	KIAA1611 protein (=ZINC FINGER PROTEIN 1)	BAB13437.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4436	KNL4 and MAZ(kinesin-like DNA binding protein)	AB017335	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4437	KRAB zinc finger protein (RITA)	AF272148.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4438	krueppel-like zinc finger protein HZF2	AF220492.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4439	leucine zipper transcription factor-like 1 (LZTFL1)	AJ297351.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4440	LIM-domain binding factor CLIM1 (CLIM1)	AF068651.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4441	MAR/SAR DNA binding protein (SATB1)	M97287	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4442	Meis1-related protein 1b (Mrg1b)	U68384	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4443	Meis1-related protein 2 (MRG2)	U68385	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4444	MFH-1 (=X74040)	Y08223	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4445	MIDA1 (=U53208 ZRF1)	D63784	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4446	midline 1 fetal kidney isoform 2 (MID1)	AF041209	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4447	midline 1 fetal kidney isoform 3 (MID1)	AF041210.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4448	monocytic leukaemia zinc finger protein (MOZ)	U47742.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4449	monokine induced by gamma interferon (MIG)	NM_002416.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4450	MYCL2 (low match)	J03069	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4451	novH	X78354	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4452	NPAT gene	D89854.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4453	nuclear cap binding protein 1, 80kD (NCBP1)	NM_002486.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4454	nuclear factor I (NFI)	U18761.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4455	nuclear factor NF45	U10323.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4456	nuclear factor of activated T-cells 5 (NFAT5)	ORNM_006599.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4457	nuclear inhibitor of protein phosphatase-1 (PPP1)	AF064757.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4458	nuclear protein, ataxia-telangiectasia locus (Ref NP_002510.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4459	OZF	X70394	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4460	paired-like homeodomain transcription factor 2 (I)	NM_000325.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4461	PEBP2a1 protein	D14636	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4462	pleomorphic adenoma gene-like 1 (PLAGL1)	U81992	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4463	PP15 (placental protein 15)	X07315	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1

4464	Pur (pur-alpha)	M96684.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4465	putative hepatic transcription factor (WBSCR14)	AF156673.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4466	putative transCRiption factor CA150 (ORF)	AF017789	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4467	putative transcription factor-like nuclear regulator	CAC04245.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4468	putative translation initiation factor (SUI1) =L262	NM_005801.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4469	putative zinc finger protein (RefSeq aa 2e-30)	NP_057688.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4470	putative zinc finger protein NY-REN-34 antigen (	NM_016119.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4471	RELA (v-rel avian reticuloendotheliosis viral onc	CAB66119.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4472	retinoblastoma binding protein RBQ-1	X85133	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4473	ring finger protein 1 (RING1)	Z14000	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4474	ring finger protein 5 (RNF5)	XM_057888.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4475	Ring1 and YY1 binding protein (RYBP)	NM_012234.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4476	RING12	X62741.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4477	RING4	X57522.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4478	runt-related transcription factor 3 (RUNX3), (=PE	XM_001616.3	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4479	SAP18, Sin3-associated-polypeptide 18	Z97062	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4480	short form transcription factor C-MAF (c-maf)	AF055376.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4481	SIX4 gene	AB024687.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4482	SMAD5 (Smad5)	AF010607	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4483	small zinc finger-like protein (TIM13)	AF144700.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4484	small zinc finger-like protein (TIM9a)	AF150100.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4485	SOX11	AB028641.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4486	SOX6 (SOX6) gene	AF309471.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4487	SRD-2 mutant sterol regulatory element binding	U22818	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4488	SRE-ZBP	Z11773	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4489	SRF accessory protein 1B (SAP-1)	M85164.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4490	Staf50	X82200.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4491	strain C57BL/6 zinc finger protein 106 (Zfp106)	AF060246.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4492	survival of motor neuron protein interacting prote	AF027150.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4493	SYBL1 (contains L1 repeat)	gi4165269	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4494	TAR (HIV) RNA-binding protein 1 (TARBP1)(OR	NM_005646.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4495	TAR DNA binding protein(TARDBP) (=DKFZp56	NM_007375.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4496	TATA binding protein associated factor (TAFII15	AF040701.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4497	TATA box binding protein (TBP)-associated fact	NM_006284.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4498	TATA box binding protein (TBP)-associated fact	NM_005681.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4499	TATA box binding protein(TBP)-associated fact	NP_005636.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4500	TATA box binding protein-related factor 2 mRNA	AF136570	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4501	TATA-binding protein (=Z22828 TFIID)	M55654	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4502	Tat-SF1	U76992	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4503	TGF(beta)-induced transcription factor 2 (LOC11	XM_057236.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4504	thyroid hormone receptor coactivating protein (S	NM_006696.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4505	thyroid receptor interactor (TRIP8)	L40411.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4506	thyroid receptor interactor (TRIP9)	L40407	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4507	tissue-type pituitary Kruppel-associated box prot	AF070666	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4508	TPMT thiopurine S-methyltransferase gene	AB045146.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4509	transCRiption associated with monocyte to maCRo	X85750	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4510	transcription elongation factor B (SIII), polypepti	NM_005648.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4511	transCRiption elongation factor TFIIS.h	AJ223473	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4512	transCRiption factor (TFIIB)	M76766	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4513	transcription factor 12 (RefSeq aa 1e-54)	NP_003196.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4514	transcription factor 17(TCF17) (ORF)	NM_005649.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4515	transcription factor BMAL2 (RefSeq aa 8e-35)	NP_064568.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4516	transCRiption factor CA150 (CA150) (=AF01778	gi5729753	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4517	transcription factor Dp-2 (E2F dimerization part	NM_006286.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4518	transCRiption factor ETR103	M62829	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4519	transcription factor IGHM enhancer 3, JM11 prot	AF196779.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4520	transcription factor IIC102	AF133123.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4521	transCRiption factor L-Sox5	AJ010604.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1

4522	transcription factor RTEF-1 (RTEF1)	U63824	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4523	transcription factor SL1	L39060	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4524	transcription factor SOX8 (SOX8)	AF164104.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4525	transcription factor TFIIA small subunit p12	U21242	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4526	transcription factor(HSA130894)	NM_017569.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4527	transcription factor-like 1(TCFL1)(= YL-1 mRNA	NM_005997.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4528	transcription initiation factor IA protein (TIF-IA g	AJ272050.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4529	transcription initiation factor TFIID subunit TAF	U30504	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4530	transcription regulator protein (BACH1)	AF026199	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4531	transcription regulator RPD3-2B (=AF039703 h	U75697	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4532	transcription termination factor, RNA polymerase	NP_031370.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4533	transcriptional activator hSNF2a (=X72889 hbn	D26155	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4534	transcriptional co-activator CRSP33 (CRSP33)	AF104251	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4535	transcriptional enhancer factor (TEF1)	M63896.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4536	transcriptional intermediary factor 1 alpha	AF119042	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4537	transcriptional repressor (CTCF)	U25435.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4538	transcription-associated zinc ribbon protein (ZNF	AF024617.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4539	transducin beta-2 subunit (=M16538 signal-trans	M36429	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4540	ubiquitin (UBN1) gene, exons 1b and 2	AF108454.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4541	WD repeat domain 6 (WDR6)	NM_018031.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4542	X2 box repressor	U22680	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4543	X28 region near ALD locus containing dual spec	U52111.2	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4544	XAP-4 GDI (=X79353)	X79353	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4545	YSK1	D63780.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4546	yz99g12.r1 Soares melanocyte 2NbHM cDNA cl	W03533.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4547	ZFX transcription activator	X59739.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4548	ZHX1 protein (ZHX1)	AF195766.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4549	zinc finger 2 (ZNF2 gene)	X60152.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4550	zinc finger 5 protein	D89859.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4551	zinc finger homeobox protein ZHX1	AF106862.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4552	zinc finger homeodomain protein	U12170.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4553	zinc finger protein (HZF6) (non-exact, 66%)	AF027513	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4554	zinc finger protein (LOC51042)	NM_015871.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4555	zinc finger protein (low match)	X78933	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4556	zinc finger protein (ZAN75)	NM_018759.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4557	zinc finger protein (ZNF139)mRNA	U09848.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4558	zinc finger protein (ZNF141)	L15309	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4559	zinc finger protein (ZNF155)	U09852	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4560	zinc finger protein (ZNF741)	U28282	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4561	zinc finger protein (ZNF-U69274)	NM_014415.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4562	zinc finger protein 10 (KOX 1) (RefSeq aa 3e-47	NP_003410.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4563	zinc finger protein 124 (HZF-16) (ZNF124)	NM_003431.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4564	ZINC FINGER PROTEIN 136 (61% aa)	spP52737	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4565	zinc finger protein 136 (clone pHZ-20)(RefSeq a	NP_003428.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4566	zinc finger protein 146 (ZNF146)	NM_007145.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4567	zinc finger protein 161 (RefSeq aa 1e-74)	NP_009077.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4568	zinc finger protein 162 (ZNF162)	NM_004630.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4569	ZINC FINGER PROTEIN 177 (69% aa)	spQ13360	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4570	zinc finger protein 195 (ZNF195)	gi6005973	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4571	zinc finger protein 198 (ZNF198)	NM_003453.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4572	zinc finger protein 202(ZNF202)	NM_003455.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4573	zinc finger protein 223 (ZNF223)	NM_013361.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4574	zinc finger protein 232 (RefSeq aa 2e-68)	NP_055334.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4575	zinc finger protein 258 (ZNF258)	NM_007167.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4576	zinc finger protein 268 (ZNF268) mRNA, comple	Hs.183291	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4577	zinc finger protein 281 (ZNF281) (ORF)	NM_012482.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4578	zinc finger protein 288 (ZNF288), mRNA /cds=(4	Hs.159456	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4579	zinc finger protein 297 (ZNF297)	NM_005453.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1

4580	zinc finger protein 41 (ZNF41)	M92443.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4581	ZINC FINGER PROTEIN 83 (ZINC FINGER PR	spP51522	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4582	zinc finger protein dp	AF153201.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4583	zinc finger protein EZNF (EZNF)	AF116030	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4584	zinc finger protein FOG-2	AF119334.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4585	zinc finger protein homologous to Zfp-36 in mou	NM_003407.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4586	zinc finger protein mRNA	Y14443.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4587	zinc finger protein NY-REN-21 antigen	AF155100.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4588	zinc finger protein SBZF2 mRNA, complete cds	AF139460.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4589	zinc finger protein ZNF131	U09410	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4590	zinc finger protein ZNF140	U09368.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4591	zinc finger protein(ZF5128)	NM_014347.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4592	zinc finger protein, C3H-type =AF061261 zinc fir	NM_005757.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4593	zinc finger protein, HZF2	X78925.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4594	zinc finger protein219	NM_016423.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4595	zinc finger RNA binding protein (Zfr)	AF071059.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4596	zinc-finger protein (ZNF76)	M91592	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4597	zinc-finger protein PFM1, PR-domain	AF144757.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4598	Zn-15 related zinc finger protein (rlf) mRNA, corr	U22377.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4599	ZNF135-like protein	AF265236.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4600	ZNF258 (ZNF258)	AF055470	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4601	ZNF81 (non-exact)	X68011	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4602	bromodomain-containing 7 (BRD7), mRNA	NM_013263.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4603	218 kD Mi-2 protein (= proliferating cell nucleolar	X86691	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4604	cell-line THP-1 GTP cyclohydrolase I	U66095.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4605	cleavage stimulation factor, 3' pre-RNA, subunit	NM_001326.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4606	CPSF (cleavage and polyadenylation specificity	X95906	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4607	CTD-binding SR-like protein rA8	U49055	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4608	C-terminal binding protein 2 (CTBP2)	NM_001329.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4609	dCMP deaminase (DCTD)	NM_001921.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4610	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide	NM_007242.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4611	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide	NM_004397.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4612	DEAD-box protein abstrakt(ABS), (ORF)	NM_016222.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4613	double stranded RNA activated protein kinase (F	AF167458.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4614	double-stranded RNA binding nuclear protein DF	AJ271746.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4615	endoplasmic reticulum luminal protein (ERP28)	NM_006817.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4616	EWS gene	AB016207.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4617	glutamyl-prolyl tRNA synthetase; proline tRNA li	NP_004437.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4618	heterogeneous nuclear ribonucleoprotein A0 (Hn	NM_006805.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4619	heterogeneous nuclear ribonucleoprotein L (HNF	X16135	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4620	hnRNA-binding protein M4 (M4 protein)	S35532	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4621	hnRNP-E1	X78137.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4622	LRR FLI-I interacting protein 2 (LRRFIP2)	AF115509.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4623	nuclear matrix protein p84	NM_005131.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4624	nuclear protein (mdm-1)	M20823.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4625	nuclear protein double minute 1	AF267851.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4626	nuclear protein, NP220	D83032	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4627	ORF2 consensus sequence encoding endonucle	AAB41224.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4628	partial mRNA for double stranded RNA binding r	AJ271747.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4629	poly(A)-binding protein, cytoplasmic 4 (inducible	NM_003819.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4630	pur alpha extended	X91648	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4631	ribonucleoprotein SS-B/La (=J04205)	X13697	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4632	RNA 3'-terminal phosphate cyclase (RPC) mRN	NM_003729.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4633	RNA binding motif protein 4 (RBM4)	gi4506444	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4634	RNA binding motif protein 9 (isoform 1) (=AL00	CAB63054.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4635	RNA binding motif protein, X chromosome (RBM	NM_002139.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4636	RNA cyclase homolog	AF067172.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4637	RNA helicase (LOC51139)(= KIAA0801)	NM_016130.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1

4638	RNA helicase (RIG-I)	AF038963.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4639	RNA helicase HDB/DICE1	AF141326.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4640	RNA helicase-related protein	AF083255	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4641	RNA helicase-related protein (RNAHP)	XM_044384.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4642	RNA-binding protein (autoantigenic) (RALY)	NM_016732.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4643	RRM RNA binding protein Gry-rbp (GRY-RBP)	AF037448.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4644	SIR2 (silent mating type information regulation 2)	NM_012237.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4645	sir2-like 1 (SIRT1)	NM_012238.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4646	small nuclear ribonucleoprotein D3 polypeptide (NM_004175.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4647	small nuclear ma (snma) gene (clone pu1-6) and K00529.1		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4648	small nuclear RNA activating complex, polypepti	4507100	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4649	Smg GDS-associated protein SMAP	U59919	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4650	SnRNP assembly defective 1 homologue (SAD1)	gi5730024	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4651	SNRPN	U81001.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4652	SOF1 PROTEIN	spP33750	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4653	SPF31 (SPF31)	AF083190	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4654	splicing factor (45kD) (SPF45) (ORF)	NM_006450.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4655	splicing factor 30, survival of motor neuron-relate	NM_005871.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4656	splicing factor arginine/serine-rich 5 (SFRS5)	XM_031133.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4657	splicing factor Prp8	AF092565.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4658	splicing factor SC35	M90104.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4659	splicing factor SRp40-3 (SRp40)	U30827.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4660	splicing factor SRp55-1 (SRp-55)	U30883.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4661	splicing factor, arginine/serine-rich 2, interacting	Hs.51957	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4662	SPLICING FACTOR, ARGININE/SERINE-RICH	spQ12872	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4663	splicing factor, arginine/serine-rich2, interacting	NP_004710.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4664	splicing factor, SF1-HL1 isoform	Y08765	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4665	SRp25 nuclear protein(LOC51329)	NM_016638.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4666	SRp46 splicing factor retropseudogene	AF031166.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4667	SR-related protein LD2 (=RNA-binding protein S	AF247662.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4668	staußen (Drosophila, RNA-binding protein) homol	NM_014393.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4669	staußen protein (STAU)	AF061940	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4670	step II splicing factor SLU7 (SLU7) (ORF)	NM_006425.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4671	SYNCRIP	AB035725.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4672	TIA1 cytotoxic granule-associated RNA-binding	NP_003252.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4673	tRNA-Lys gene (low match: nt 1e-10)	U00939.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4674	U1 small nuclear ribonucleoprotein 70 kd protein	M22636	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4675	u1B-IC/SNRPN transCRIPT	L80005.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4676	U2 small nuclear RNA gene	K03022.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4677	U2 snRNP auxiliary factor small subunit	M96982	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4678	U5 snRNP-specific protein, 116 kD (U5-116KD)	gi4759279	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4679	U50' snoRNA and U50 snoRNA	AB017710.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4680	U6 snRNA-associated Sm-like protein LSm6	AF182292.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4681	U6 snRNA-associated Sm-like protein LSm7 (LC	NM_016199.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4682	U6 snRNA-associated Sm-like protein LSm8	AF182294.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4683	pre-mRNA splicing factor (PRP18)	NM_003675.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4684	RNA polymerase II 14.5 kDa subunit	Z23102	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4685	RNA polymerase subunit hRPB 33	J05448	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4686	rsly1p	U57687	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4687	SC35-interacting protein 1 (SRRP129)(= splicing	NM_004719.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4688	TAF13 RNA polymerase II, TATA box binding pr	BC017821.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4689	TAF7 RNA polymerase II, TATA box binding pro	Hs.155188	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4690	BAT2-related gene	AL096857.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4691	BC-2 protein	AF042384	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4692	chitinase 3-like 1(cartilage glycoprotein-39) (CHI	NM_001276.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4693	Ig superfamily protein (Z39IG)	NM_007268.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4694	lymphocyte antigen 6 complex, locus E (LY6E),	XM_051298.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4695	natural killer cell enhancing factor (NKEFB)	L19185.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1

4696 75-kD autoantigen (PM-Sc1)	M58460	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4697 activity and neurotransmitter-induced early gene	AF050663	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4698 alpha-2-macroglobulin receptor-associated prote	M63959.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4699 B-cell receptor associated protein (hBAP)	U72511	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4700 B-cell receptor-associated protein BAP29	AF126020	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4701 cartilage associated protein	X97607	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4702 cartilage associated protein(CRTAP)	NM_006371.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4703 cbl-b	U26710.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4704 chromosome 1 immunoglobulin V (K)	X17278	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4705 early activation antigen CD69	L07555	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4706 early endosome antigen 1, 162kD (EEA1)	NM_003566.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4707 erythroblast macrophage protein EMP	AF084928.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4708 HLA CLASS I HISTOCOMPATIBILITY ANTIGEN	P30511	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4709 HLA class I locus C heavy chain	X58536.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4710 HLA class III region (NOTCH4 gene)	U89336	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4711 HLA-A gene, HLA-A*0205 allele	L76290.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4712 HLA-B associated transcript-2 (D6S51E) (= MSH	NM_004638.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4713 HLA-B35 mRNA (ORF)	Z22651	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4714 hla-dr heavy chain cooh terminus	J00200.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4715 HMBA-inducible (HIS1)=AB021179, HEXIM1 pr	NM_008460.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4716 immunoglobulin (CD79A) binding protein 1 (IGBI	NM_001551.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4717 immunoglobulin G Fc receptor (ORF)	J03619.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4718 immunoglobulin superfamily containing leucine-r	AB024537.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4719 immunoglobulin superfamily member protein (BL	AF132811.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4720 immunoglobulin superfamily, member 6 (IGSF6)	gi5031672	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4721 imogen 38 (RefSeq aa 1e-60)	NP_005821.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4722 leukocyte common antigen (T200)	Y00638	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4723 major histocompatibility class II antigen gamma	K01144	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4724 major histocompatibility complex, class I, E (HLA	NM_005516.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4725 major Yo paraneoplastic antigen(CDR2)	M63256	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4726 male-enhanced antigen(MEA)	NM_014623.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4727 MHC binding protein-2	AAA36202.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4728 MHC class I promoter binding protein (=AF1201	X65463	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4729 miCRoglobulin (ORF)(C to A point mutation at nt	S82300	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4730 mutant (Daudi) beta2 - miCRoglobulin (ORF)	X07621	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4731 PA28 gamma subunit (Psmc3)	AB007139	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4732 SART-1	AB006198.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4733 strain ECOR 24 rriB operon, complete sequence	AF053967	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4734 SWAP-70 homolog	AF134894.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4735 T-cell antigen receptor alpha-chain (TCR-ATF2)	M77167.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4736 T-cell nuclear receptor NOT (Nurr1)	AB019433.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4737 T-cell receptor alpha chain-c6.1A fusion protein	S72931.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4738 T-cell receptor alpha delta locus	AF283991.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4739 T-cell receptor alpha delta locus from bases 1 to	AE000658.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4740 TJ6 protein (RefSeq aa 8e-56)	NP_036595.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4741 180 kDa transmembrane PLA2 receptor	U17033.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4742 adult T-cell leukemia derived factor	E01915	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4743 BAG-family molecular chaperone regulator-3	AF095193	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4744 BAG-family molecular chaperone regulator-5 (=AF	AF095195.2	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4745 beta-defensin-1,2	U50931	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4746 breast epithelial antigen BA46	U58516	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4747 BTK-binding protein mRNA, complete cds	AF235049.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4748 cellular repressor of E1A-stimulated genes (CRE	NM_003851.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4749 centromere autoantigen C (CENPC)	M95724	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4750 colon cancer antigen NY-CO-45 mRNA, partial c	AF039442.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4751 DARC	X85785.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4752 defensin, alpha 3, neutrophil-specific (DEFA3) (=	NM_005217.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4753 heat shock 105kD (HSP105B)	NM_006644.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1

4754	HEAT SHOCK COGNATE 71 KD PROTEIN	spP11142	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4755	heat shock factor 2 (HSF2)	M65217	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4756	heat shock protein (=AF085359.1 HSPC030)	AF170920	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4757	heat shock protein (HSP21) mRNA, chloroplast	U66300.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4758	Heat shock protein 70 testis variant (=M59829 M D85730		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4759	heat shock protein apg-2	AB023420.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4760	heat shock protein hsp40 =U41290 DNAJ homolog	U40992	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4761	HEAT SHOCK PROTEIN, MITOCHONDRIAL 1C	spQ04984	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4762	heat shock protein= HSPA2= L26336= U10284	U56725	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4763	hepatocellular carcinoma-associated antigen 56	AF262403.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4764	hepatocellular carcinoma-associated antigen 64	Hs.314977	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4765	HSP105 alpha (=AF039695.1 antigen NY-CO-2	AB003334.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4766	HSP27	AB020027.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4767	mixed lineage kinase (MLK-3) (=U07747 sprk)	L32976	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4768	MSJ-1	AB014888	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4769	NA14 protein	Z96932	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4770	novel T-cell activation protein	X94232.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4771	p38gamma MAP Kinase (=Y10487 stress activa	U66243	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4772	platelet-endothelial tetraspan antigen 3	U14650.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4773	PML-1	M79462.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4774	polymyositis/scleroderma autoantigen 1(75kD) (I	NP_005024.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4775	pre-B cell stimulating factor homologue (SDF1b)	L36033.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4776	PX19 protein	AF112203.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4777	renal cell carcinoma associated antigen G250	AJ010588.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4778	rheumatoid arthritis related antigen RA-A47	AB044781.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4779	stannin (=DKFZp761P2414)	AF070673.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4780	Ste-20 related kinase (RefSeq aa 2e-41)	NP_037365.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4781	Ste20-like kinase	X99325	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4782	stress 70 protein chaperone, microsome-associ	NM_006948.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4783	stromal antigen 3 (STAG3)	NM_012447.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4784	sulfotransferase 1C2 (SULT1C2) gene, complete	AF186263.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4785	TP53 target gene (TP53TG1)	NM_007233.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4786	WP34 (phosphorylated lymphocyte differentiat	X55188	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4787	ATPase inhibitor precursor	NP_057395.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4788	BAI-associated protein 3 (=AB018277 hypotheti	AB017111	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4789	beta-site APP-cleaving enzyme (RefSeq aa 5e-8	NP_036236.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4790	interferon induced transmembrane protein 3 (1-8	NM_021034.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4791	INTERFERON-INDUCED TRANSMEMBRANE	spQ01628	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4792	MEMBRANE PROTEIN C21ORF4 17.9 KD	P56557	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4793	trans-Golgi p230	U41740	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4794	Adaptor protein containing pH domain, PTB dom	NM_012096.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4795	adaptor-related protein complex 1, gamma 2 su	NM_003917.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4796	apoferritin H (=M11146)	X03488	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4797	BIOTIN CARBOXYL CARRIER PROTEIN OF M	P02904	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4798	cationic amino acid transporter-2A (ATRC2)	U76368	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4799	coatamer protein complex, subunit beta (COPB)	NM_016451.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4800	coatamer protein complex, subunit epsilon (COF	NM_007263.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4801	coatamer protein complex, subunit gamma 2 (R	NP_036265.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4802	constitutively expressed serum amyloid A protei	L05920.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4803	COP22 for nonclathrin coat protein zeta-COP (L	NM_016429.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4804	corin (RefSeq aa 7e-45)	NP_006578.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4805	DUTT1 (chromosome 3)	Z95705.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4806	EGF repeat transmembrane protein	U57368	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4807	ENIGMA protein	AF265209.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4808	epithelial membrane protein 2 (EMP2)	NM_001424.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4809	erythrocyte adducin alpha subunit	X58141	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4810	ferroportin 1; iron regulated gene 1 (FPN1)(=	SL_NM_014585.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4811	golgi membrane protein GP73(LOC51280)	NM_016548.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1



4812 Golgi membrane protein type II (RefSeq aa 4e-3 NP_055313.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4813 Ke4 gene, mouse, human homolog of (D6S2244 NM_006979.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4814 LIM domain kinase 2 (LIMK2) NM_005569.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4815 lysosomal apyrase-like 1 (LYSAL1) XM_040572.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4816 membrane interacting protein of RGS16 (MIR16) NM_016641.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4817 membrane metallo-endopeptidase (neutral endo NM_000902.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4818 mouse SKD1 homolog (SKD1) NM_004869.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4819 multispinning nuclear envelope membrane prote AF143676.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4820 myoglobin (MB), mRNA NM_005368.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4821 myo-inositol monophosphatase A3 (IMPA3) AY032885.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4822 N-ethylmaleimide-sensitive factor (NSF) AF135168.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4823 neuronal membrane glycoprotein M6b U45955	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4824 PEX13 AB022192.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4825 phosphate carrier precursor isoform 1a;phospha NP_005879.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4826 placental protein 17b1 (PP17)(=cargo selection j AF055574.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4827 progesterin induced protein (DD5), mRNA /cds=(3: Hs.278428	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4828 putative membrane protein, complete cds AB020980.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4829 putative heme-binding protein (SOUL) NM_014320.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4830 putative integral membrane transporter (LC27) NM_018407.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4831 putative transmembrane receptor (frizzled 4) U43317	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4832 secretory granule neuroendocrine protein 1 (7B2 NM_003020.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4833 seven transmembrane segment receptor M99293	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4834 supravillin (SVIL) XM_030476.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4835 tetraspan 3; Tspan-3 (RefSeq aa 8e-51) NP_005715.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4836 tetraspan NET-1 AF065388.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4837 tetraspan NET-6 protein(NET-6), mRNA NM_014399.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4838 tetraspanin TM4-D AF133426.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4839 translocase of inner mitochondrial membrane 10 NM_012456.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4840 translocase of inner mitochondrial membrane 8 ( XM_041384.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4841 transmembrane 4 superfamily protein (SAS) (OF U01160	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4842 transmembrane 7 superfamily member 1 (upregi gi4507544	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4843 transmembrane GTPase U95822.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4844 transmembrane protein 4 (TMEM4), mRNA /cds: Hs.8752	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4845 transmembrane protein CD99 type II U82164	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4846 transmembrane protein with EGF-like and two fo U19878	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4847 transmembrane proteolipid (HSPC224) NM_016951.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4848 transmembrane trafficking protein (TMP21), mRI Hs.74137	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4849 VAMP (vesicle-associated membrane protein)-a: NM_004738.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4850 mutL (E. coli) homolog 3 (MLH3) NM_014381.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4851 mutY homolog (hMYH) U63329	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4852 alanyl-tRNA synthetase (AARS) NM_001605.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4853 damage-specific DNA binding protein 2 (48kD) (INM_000107.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4854 DNA recombination and repair protein (MRE11B AF022778	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4855 DNA repair protein XRCC4 U40622	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4856 DNA topoisomerase gene type I, exon 8 M60694.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4857 DNA topoisomerase II binding protein AB019397	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4858 excision repair gene ERCC-1 X07415	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4859 Helicase (KIAA0054) NM_014877.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4860 HHR23A protein D21235	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4861 KIAA0054 gene product; Helicase (RefSeq aa 1: NP_055692.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4862 nucleolar RNA-helicase (noH61 gene) AJ131712.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4863 putative RNA helicase, 3' end AJ223948.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4864 RAD50 (S. cerevisiae) homolog (RefSeq aa 2e-2 NP_005723.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4865 RAD50-2 protein (RAD50) AF057299.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4866 Rad51-interacting protein (60% aa) AF006259	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4867 RAD9 (S. pombe)(RAD9)(=cell cycle checkpoint NM_004584.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4868 SWI/SNF related, matrix associated, actin deper NM_003078.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4869 SWI/SNF related, matrix associated, actin deper NM_003079.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1

4870	T-COMPLEX PROTEIN 1, EPSILON SUBUNIT	spP48643	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4871	T-COMPLEX PROTEIN 1, THETA SUBUNIT (T)	spP50990	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4872	transketolase-like 1 (TKTL1)	NM_012253.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4873	xeroderma pigmentosum complementation group	NM_000380.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4874	adenylate kinase 2 (AK2), transcript variant AK2	NM_001625.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4875	carbonic anhydrase III	M29452	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4876	carbonic anhydrase XII (CA12)	NM_001218.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4877	ceruloplasmin, exon 10 (ORF)	D45037	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4878	coagulation factor VIII	AF062515	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4879	complement C1q A chain precursor	AF135157.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4880	complement component 2 (RefSeq aa 7e-80)	NP_000054.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4881	complement component 3 precursor (RefSeq aa NP_000055.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4882	complement component 3a receptor 1 (RefSeq aa NP_004045.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4883	complement decay-accelerating factor (DAF) (=M15799		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4884	cytochrome P450 21-hydroxylase (CYP21) gene	AF077974.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4885	cytochrome P450 3A9	U46118	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4886	cytochrome P450 monooxygenase (LOC57404)	NM_020674.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4887	cytochrome P450, subfamily IVA, polypeptide 11	NP_000769.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4888	epoxide hydrolase 2, cytoplasmic (EPHX2)	NM_001979.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4889	glutathione S-transferase A4 (GSTA4)	NM_001512.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4890	glutathione S-transferase theta 2 (GSTT2) (GST	AF240786.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4891	glutathione S-transferase= (MICROSOMAL GST	J03746.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4892	glutathione synthetase	U34683	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4893	glutathione transferase M2 (GSTM2)	M63509	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4894	gpx1 glutathione peroxidase (=Y00433)	X13709	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4895	iron-responsive element-binding protein/iron reg	M58510	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4896	lactoferrin BTLF3	L24753	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4897	light chain of factor I	CAA68418.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4898	metallothionein 2A; MT-II (RefSeq aa 8e-30)	NP_005944.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4899	MHC class II DR subtype Dw12	M16086.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4900	MHC class II HLA-DR7-associated glycoprotein	M16941.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4901	MHC class II HLA-DR-beta-1 (HLA-DRB1)	M33600	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4902	MHC HLA-Dw12 DQ-beta chain	M57650.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4903	MHC leukocyte antigen (HLA-A) gene, HLA-A*2	L47206.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4904	MTA1 like1	AB016591.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4905	MTG8-like protein(MTGR1) gene	AF076461.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4906	MTH1b (p22), MTH1c (p21), MTH1d (p18)	AB025239.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4907	pentaxin-related gene rapidly induced by IL-1 be	NM_002852.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4908	peroxiredoxin 3; thioredoxin-dependent peroxide	NP_006784.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4909	PHEX gene	Y10196.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4910	prothrombin (F2) gene (Alu and KpnI repeats)	M17262.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4911	small inducible cytokine subfamily A(Cys-Cys), r	NP_005614.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4912	small inducible cytokine subfamily B (Cys-X-Cys	NM_004887.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4913	Sop2p-like protein	Y08999	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4914	Su (P) (=Z70310 C.elegans glutathione S-transf	AJ011320	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4915	superoxide dismutase 1 soluble (amyotrophic lat	XM_047885.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4916	superoxide dismutase 3, extracellular (SOD3)	NM_003102.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4917	superoxide dismutase Mn (EC 1.15.1.1+D3527)	Y00472.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4918	thiol-specific antioxidant	X82321	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4919	thioredoxin reductase 1 (TXNRD1)	NM_003330.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4920	Chediak-Higashi syndrome 1 (CHS1)	NM_000081.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4921	Ankhn mRNA,	AB011370	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4922	arfaptin 1 (HSU52521)	NM_014447.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4923	intersectin short form	AF064243	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4924	alpha endosulfine	AF157509.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4925	caveolin 2 (CAV2)	NM_001233.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4926	caveolin 3 (CAV3)	NM_001234.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4927	caveolin-1/-2 locus, Contig1, D7S522, genes CA	AJ133269.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1

4928	clathrin assembly protein 50 (AP50) (=D63475 h U36188	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4929	clathrin coat assembly protein E13406	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4930	clathrin, light polypeptide (Lcb) (CLTB) NM_001834.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4931	clathrin-associated protein X97074.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4932	Hemansky-Pudlak syndrome (HPS) NM_000195.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4933	kanadaplin AF035526	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4934	myoM [Dictyostelium discoideum](38%ORF) AB017910	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4935	partial SNAP-23 gene for synaptosome associat AJ278974.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4936	Rab7 protein X89650	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4937	SKD1 homologue AF038960	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4938	SMCY (H-Y) U52191	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4939	sympleskin; Huntingtin interacting protein I (SPK) XM_017129.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4940	synaptosome associated protein 23 kD isoform / AJ011915.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4941	vesicle trafficking protein (SEC22C) (ORF) AF039568	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4942	VPS28 protein (LOC51160)(ORF) NM_016208.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4943	zinc/ iron regulated transporter-like (ZIRTL) (=pu NM_014437.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4944	synaposomal-associated protein 25kD (SNAP2) XM_056115.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4945	4F2 heavy chain AB018010.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4946	88-kDa Golgi protein (GM88) AF204231.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4947	CG12935 gene product AAF58754.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4948	CG13865 gene product [Drosophila melanogaster] AE003066	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4949	CG13919 gene product AE003472	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4950	CG14037 gene product AAF52201.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4951	CG14903 gene product AAF55335.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4952	CG17593 gene product [Drosophila melanogaster] AE003579	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4953	CG2839 gene product AAF51469.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4954	CG3358 gene product AAF57413.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4955	CG3918 gene product [Drosophila melanogaster] AAF46166.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4956	CG6949 gene product AE003739	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4957	CG8605 gene product [Drosophila melanogaster] AE003559	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4958	CG9469 gene product AAF57414.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4959	CGI-03 protein (=AF106798 fas-associated factor AF132938.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4960	CGI-06 protein (LOC51604), NM_015937.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4961	CGI-10 protein (LOC51004), NM_015940.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4962	CGI-12 protein (RefSeq aa 1e-68) NP_057026.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4963	CGI-125 protein (RefSeq aa 1e-30) NP_057144.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4964	CGI-128 protein (ORF) AF151886	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4965	CGI-145 protein (RefSeq aa 2e-48) NP_057159.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4966	CGI-17 protein AF132951.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4967	CGI-18 protein (LOC51008) NM_015947.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4968	CGI-26 protein (LOC51071) NM_015954.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4969	CGI-27 protein AF132961.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4970	CGI-35 protein (LOC51077) NM_015962.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4971	CGI-47 protein (LOC51095)(ORF) NM_016000.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4972	CGI-48 protein (LOC51096) NM_016001.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4973	CGI-54 protein (60% aa) AF151812	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4974	CGI-79 protein (RefSeq aa 2e-76) NP_057108.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4975	CGI-80 protein AF151838.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4976	CGI-85 protein (LOC51111) NM_016028.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4977	CGI-87 protein (LOC51112) NM_016030.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4978	cytoplasmic dynein intermediate chain 2C mRNA/ U39046.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4979	cytoskeleton-associated protein 4 (CKAP4), mRI XM_006940.4	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4980	diaphanous 1 (HDIA1) AF051782.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4981	dynactin light chain (DCTN-22) NM_007234.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4982	dynactin p62 subunit(LOC51164)(= putative tum NM_016221.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4983	dynein light chain-A (LOC51143)(ORF) NM_016141.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4984	dynein light intermediate chain 2 (LIC2) AF035812	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4985	dynein, cytoplasmic, intermediate polypeptide 1 NP_004402.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1

4986	dynein, cytoplasmic, light intermediate polypeptide	BC010928.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4987	flightless I (Drosophila) homolog (FLII), mRNA	NM_002018.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4988	gamma-tubulin complex protein 2 (GCP2)	XM_057524.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4989	golgi SNAP receptor complex member 1 (GOSR)	NM_004871.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4990	golgi SNAP receptor complex member 2 (GOSR)	NM_004287.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4991	Golgi transport complex protein (90 kDa) (GTC9)	NM_006348.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4992	golgin-67 (GOLGA5) D1886	AF164622.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4993	kinectin 1 (156 kDa Protein) (=CG1)	CAA80271.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
4994	kinesin heavy chain member 2 (KIF2)	NM_004520.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4995	kinesin-like protein GAKIN	AF279865.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4996	kinesin-like spindle protein HKSP (=X85137)	U37426	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
4997	kinesin-related protein, partial cds	D14678.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
4998	MAP1B protein	AF115776.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
4999	microtubule-associated proteins 1A/1B light chain	AF303888.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5000	novel centrosomal protein RanBPM (RANBPM)	NM_005493.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5001	spindle pole body protein spc97 homologue GCF	AF042379	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5002	Sprague-Dawley acidic calponin	U06755	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5003	TACC2 protein (TACC2) (=AF176646.1 anti zua)	AF095791.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5004	CG2974 gene product (aa 2e-41,52%)	AAF46554.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5005	CG6353 gene product (aa 3e-20,68%)	AAF55906.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5006	CG8198 gene product	AAF48498.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5007	CGI-01 protein (CGI-01), mRNA	NM_015935.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5008	CGI-11 protein (RefSeq aa 2e-35)	NP_057025.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5009	CGI-144 protein	AF151902.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5010	CGI-55 protein	AF151813.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5011	dJ797M17.1 (Dermatopontin)	CAB46693.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5012	adican	AF245505.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5013	chondrocyte expressed protein 68 kDa (CEP-68)	AJ279016.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5014	chondroitin 4-O-sulfotransferase 2	AF239822	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5015	chondroitin 6-sulfotransferase	AB017915	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5016	collagen type III N-endopeptidase (PCOLN3), (=	NM_002768.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5017	collagen type VI alpha 2 (COL6A2)	M81836.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5018	collagenous repeat-containing sequence of 26kD	AAG33704.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5019	dentin matrix acidic	NM_004407.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5020	dystroglycan 1	NM_004393.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5021	EGF-containing fibulin-like extracellular matrix pi	NM_004105.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5022	elastin gene, partial cds and partial 3'UTR	U77846.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5023	EPSILON-COAT PROTEIN (EPSILON-COP; LD sp	AC005197	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5024	extracellular protein (S1-5)	U03877	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5025	fibrillarin (FBL)	NM_001436.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5026	fibulin 1 (FBLN1)	XM_047231.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5027	fibulin 2 (FBLN2)	NM_001998.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5028	fibulin-4	AJ132819	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5029	germ line gene homologous to bladder carcinoma	V00574.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5030	glypican-5 (GPC5) (=AF001462)	U66033	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5031	glypican-6 (GPC6)	AF105267.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5032	Hakata antigen	D88587	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5033	heparan-sulfate 6-sulfotransferase	AB006179	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5034	hepatic leukemia factor (HLF)	M95585	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5035	interphotoreceptor matrix proteoglycan 200 (SP)	NM_016247.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5036	lamin-like protein (low match)	M24732	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5037	linker for activation of T cells (LAT)	AF036906.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5038	LST1 mRNA, cLST1/E splice variant, complete	AF000426.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5039	matrilin 4 (RefSeq aa 5e-44)	NP_003824.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5040	microfibril-associated glycoprotein 4 (MFAP4)	L38486	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5041	microfibril-associated glycoprotein-2 MAGP-2	U37283.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5042	microfibrillar-associated protein 2 (MFAP2)	NM_002403.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5043	mucin MUC1 (=M61170)	X69118	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1

5044	nidogen (=M27445;M30269) (low match)	X84837	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5045	period (per) region proteoglycan gene	M13655	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5046	PG-M core protein	D45889.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5047	phosphatidylinositol glycan, class H (PIGH)	L19783	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5048	phosphatidylinositol glycan, class K (PIGK)(= AF XM_039644.2		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5049	pRGR1	AF041429.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5050	psihHbc pseudogene for hair keratin	Y19215.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5051	sarcolemmal associated protein (SLAP1) mRNA	U21155.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5052	sarcolipin (SLN)	NM_003063.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5053	sarcosin	AF056929	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5054	sarcospan (Kras)	NM_005086.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5055	sarcospan (Sspn), mRNA	NM_010656.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5056	serglycin gene	M90058.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5057	SHORT-CHAIN COLLAGEN C4	P18503	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5058	tenascin XA (TNXA)	NM_007116.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5059	Z-crystallin/quinone reductase (CRYZ) gene seq	L31526.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5060	Hem-2	X80029.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5061	LAZ3/BCL6 gene	Z79581.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5062	MLL (MLL) gene, exons 1-3, similar to MARINEF	AF036405	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5063	22kDa smooth muscle protein (SM22)	M95787	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5064	actin binding protein (Schizosaccharomyces pon	NM_006409.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5065	actin related protein 2/3 complex, subunit 1B (41	NM_005720.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5066	actin-binding protein 22 kDa (SM22) gene	AF013711.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5067	actin-binding protein homolog ABP-278	AF043045.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5068	actinin-associated LIM protein	AF039018	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5069	actin-like 6 (ACTL6)=AF041474 =BAF53a (BAF	NM_004301.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5070	ACTN2 gene for alpha-Actinin 2, exon 21	AJ249776.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5071	A-kinase anchoring protein 220 (=AB014529 KIA	AF176555.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5072	alpha 1-syntrophin (SNT A1)	U40571	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5073	alpha II spectrin (=J05243;X86901)	U83867	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5074	alpha-adducin	L29294	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5075	alpha-tropomyosin	AJ001055.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5076	alpha-tubulin	K00557.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5077	ankyrin 1 (ANK1) (=M28880)	AF005213	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5078	ankyrin alt. variant 2.2 (53%,aa)	X16609	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5079	ankyrin binding glycoprotein-1 related mRNA sex	L11002	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5080	ankyrin-repeat containing protein (Krit1) gene	U90269.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5081	A-raf-1 oncogene	X04790.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5082	archvillin (SVIL)	AF109135.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5083	beta tubulin (clone nuk_278)	X79535	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5084	beta-filamin	AF042166	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5085	beta-tubulin	AF141349.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5086	capping protein alpha mRNA, partial cds=U	Hs.75546	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5087	capping protein beta-subunit isoform 1	U10406	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5088	CDC42-binding protein kinase beta (DMPK-like)	NM_006035.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5089	cofilin, non-muscle type (=U21909)	X95404	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5090	cytohesin 1, isoform 2 (RefSeq aa 3e-30)	NP_059430.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5091	cytokeratin 8	U76549.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5092	desmosome associated protein pinin	U77716	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5093	desrin-2 (=actin depolymerizing factor)	U72518	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5094	drebrin E	D17530.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5095	dynamain	L07807	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5096	dystrobrein B DTN-B1	Y15722	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5097	GLUT1 C-terminal binding protein (GLUT1CBP)	NM_005716.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5098	hCRNN4	AB030656.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5099	kelch (Drosophila)-like 3(=kelch-like protein	NM_017415.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5100	keratin type II (58 kD)	M21389.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5101	NuMA protein (=Z11584;Z14229;Z14227)	Z11583	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1

5102 partial TTN gene for titin	AJ277892.2	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5103 phosphatase kinase type II beta subunit (EC X16937.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5104 regulatory factor X-associated ankyrin-containing NM_003721.1		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5105 scinderin (SCIN), mRNA /cds=(276,1682) /gb=N Hs.210473		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5106 singed (Drosophila)-like(sea urchin fascin homol NM_003088.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5107 skeletal muscle alpha-actin gene (ACTA1) AF182035.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5108 skeletal muscle HSB84A051 STRATAGENE cDI Z28721.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5109 skeletal muscle selenoprotein W (SelW) U25264		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5110 smoothelin AC005005		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5111 spectrin, alpha, non-erythrocytic 1 (alpha-fodrin) (NM_003127.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5112 spectrin, beta, non-erythrocytic 1 (SPTBN1)(ORI NM_003128.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5113 stretch regulated skeletal CAC03620.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5114 striated muscle contraction regulatory protein (Id M96843.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5115 TANKYRASE (RefSeq aa 9e-90) NP_003738.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5116 telethonin AJ000491		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5117 testican-1 AF231124		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5118 TRICHOHYALIN spP37709		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5119 tubulin alpha 6 (TUBA6) XM_028724.2		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5120 tubulin, alpha, ubiquitous (K-ALPHA-1) NM_006082.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5121 tubulin, beta, 2 (TUBB2) (ORF) NM_006088.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5122 tubulin, beta, 4 (TUBB4) NM_006086.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5123 tubulin-specific chaperone d (TBCD)= AJ006417 NM_005993.2		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5124 uroporphyrinogen decarboxylase (UROD) AF047383		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5125 vasodilator-stimulated phosphoprotein (VASP) NM_003370.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5126 zyxin (ZYX) (=ESP-2) NM_003461.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5127 actin binding protein; macrophin(microfilament a NP_036222.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5128 alpha actinin 4 (Actn4) NM_021895.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5129 alpha tropomyosin (tpma) AF180892.1		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5130 aortic-type smooth muscle alpha-actin (SM-alpha: M33216.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5131 fast skeletal troponin C X07898		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5132 myosin alkali light chain (ventricular) M24122		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5133 myosin binding protein H L05606		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5134 myosin IC (MYO1C) NM_004998.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5135 myosin, light polypeptide 6, alkali, smooth muscle XM_049089.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5136 myosin, light polypeptide kinase (RefSeq aa 2e- NP_005956.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5137 myosin-IXb U42391		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5138 myotubular myopathy 1(MTM1) NM_000252.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5139 regulatory myosin light chain (MYL5) L03785		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5140 slow skeletal muscle troponin T (clone H22h) M19309		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5141 slow-twitch skeletal troponin I (TNN1) J04760		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5142 SMAP-5 smooth muscle cell associated protein AB014733		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5143 SMC-like protein AJ005015.1		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5144 smooth muscle myosin light chain kinase M76233.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5145 troponin I, skeletal, fast 2 (Tnni2), mRNA NM_009405.1		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5146 adapt78 protein gene= U85266 U53821.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5147 colon cancer-associated protein Mic1 NM_013326.1		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5148 CRIB-containing BORG2 protein (BORG2) AF164118.1		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5149 laforin (EPM2A) AF084535.2		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5150 neuroigin 3 AF217413.1		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5151 peroxisomal membrane protein 20 AF124993.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5152 peroxisomal membrane protein 3 (35kD, Zellweg NM_000318.1		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5153 peroxisomal targeting signal 1 (SKL type) recept Z48054.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5154 peroxisome assembly factor-2 (PEX6) gene AF108098.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5155 phosphatidylinositol glycan, class C (PIGC) gi4505794		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5156 PIG-A protein D11466		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5157 tight junction protein 1 (zona occludens 1) (TJP1 NM_003257.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5158 tight junction protein ZO-2 (TJP2) AF177533.1		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5159 78 kDa gastrin-binding protein U04627.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1

5160 AP-3 complex sigma3A subunit	U91932.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5161 ARE1-like protein	AJ006026.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5162 ASIALOGLYCOPROTEIN RECEPTOR 2 (HEPA	P24721	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5163 ESR (EST84588 Colon adenocarcinoma IV cDN	AA372592.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5164 neuropilin-2 (a5)	AF022861	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5165 son of sevenless 1	Z11574	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5166 toll-like receptor3 (RefSeq aa 3e-41)	NP_003256.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5167 trg (=AB028981 KIAA1058)	X68101	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5168 UCC1 protein (UCC1 gene)	AJ250475.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5169 5-HT4 receptor gene	AJ243213.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5170 alpha 7 neuronal nicotinic receptor	AF029838	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5171 alpha-CP1 (=X78137 hnRNP-E1)	U24223	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5172 alpha-globin transcription factor CP2	M84810.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5173 autocrine motility factor receptor (AMFR)	NM_001144.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5174 beta-hydroxysteroid dehydrogenase 11 (HSD11)	M76661	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5175 bradykinin receptor B2 (BDKRB2)	NM_000623.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5176 breast cancer nuclear receptor-binding auxiliary	AF126008.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5177 calcitonin receptor-like receptor activity modifyin	NM_005854.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5178 CD163 antigen (CD163) (=M130 antigen (cytoso	NM_004244.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5179 CD33 differentiation antigen (CD33)	M23197	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5180 CD34	M81104	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5181 CD39L2 (CD39L2)	AF039916	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5182 CD3G antigen, gamma polypeptide (TIT3 compl	X04145	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5183 CD58	Y14785	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5184 CDA11 protein (CDA11), mRNA /cds=(25,918) /t	Hs.11810	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5185 CHRM3 gene for muscarinic acetylcholine recep	AB041395.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5186 class I cytokine receptor (zcytor5)	AF178684.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5187 colony stimulating factor 1 receptor (CSF1R) ger	M33210.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5188 CSF-1 receptor (FMS) gene (=KIAA0194)	U63963.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5189 CSF2RA=GM-CSF receptor alpha subunit	S48475.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5190 endothelial protein C receptor	AB026584.2	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5191 endothelin receptor type A (EDNRA)	NM_001957.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5192 endothelin receptor type B-like protein	U87460.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5193 epidermal growth factor repeat containing protei	AF186084	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5194 Epstein-Barr virus induced gene 2(lymphocyte-s	NP_004942.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5195 estrogen receptor gene, 5' partial (422 bp)	AJ002562.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5196 estrogen receptor-binding fragment-associated g	NP_004206.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5197 estrogen related receptor alpha (ESTRA) pseu	U85258.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5198 estrogen-related receptor gamma (ESRRG)	NM_001438.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5199 Ewing sarcoma breakpoint region 1 (EWSR1), tr	NM_005243.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5200 fibroblast growth factor receptor 2 (bacteria-expr	NM_000141.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5201 fibroblast growth factor receptor 3 (achondroplas	XM_044120.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5202 fibroblast growth factor receptor(N-sam)	X66945	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5203 FYN-binding protein (FYB-120/130) (RefSeq aa	NP_001456.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5204 G protein-coupled receptor 30 (GPR30)	NM_001505.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5205 G protein-coupled receptor 48 (GPR48)	NM_018490.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5206 G protein-coupled receptor Edg-2	Y09479	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5207 G protein-coupled receptor kinase 5 (GPRK5)	NM_005308.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5208 GABAA receptor subunit alpha4	U30461	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5209 gene for vitamin D receptor, exon 9 (=1,25-dihy	AB002168.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5210 genes for vasopressin, oxytocin and a long inter	X59496.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5211 gephyrin (GPH)	NM_020806.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5212 G-protein coupled receptor (SH120)	gi7706703	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5213 G-protein-coupled receptor 48 (GPR48)	AF257182.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5214 growth factor receptor bound protein 2 (Grb2)	NM_008163.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5215 growth hormone receptor (contains Alu repeat)	X06562	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5216 H1 histamine receptor	Z34897.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5217 Hin-2 (=U40396 steroid receptor coactivator SR	U19179	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1

5218 histamine H1-receptor	D14436.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5219 IL-1 receptor antagonist IL-1Ra (IL-1RN)	U65590	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5220 IL-13 receptor	Y08768	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5221 interferon alpha/beta receptor (IFNAR) gene, exc	U06244	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5222 interferon, gamma-inducible protein 16 (IFI16)	NM_005531.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5223 interferon, gamma-inducible protein 30 (IFI30)(OI)	NM_006332.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5224 interleukin-1 receptor-associated kinase 1 (IRAK Hs.182018		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5225 interleukin-11 receptor	Z38102	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5226 interleukin-18 binding protein c precursor (IL18B AF110801.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5227 laminin receptor precursor/p40 ribosome associ	U43901.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5228 leukemia inhibitory factor receptor (LIFR)	NM_002310.2	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5229 lymphatic vessel endothelial hyaluronan recepto	NM_006691.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5230 M2-type pyruvate kinase	M23725	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5231 m3 muscarinic acetylcholine receptor (CHRM3) ;	U29589.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5232 metabotropic glutamate receptor 6 (mGluR6) ge	U82083.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5233 mineralocorticoid receptor (=hMR) (low match)	M80582	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5234 natriuretic peptide precursor B (NPPB)	NM_002521.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5235 neurotrophic tyrosine kinase, receptor, type 2 (N	NM_006180.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5236 NK receptor Ly-49L gene	AF126036.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5237 NKG2D gene	AJ001689.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5238 novel retinal pigment epithelial cell protein (NOR	AF155135.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5239 NRBF-2 nuclear receptor binding factor-2	AB024930.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5240 nuclear receptor binding protein (NRBP)	NM_013392.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5241 nuclear receptor interacting protein 1 (NRIP1)	gi4505454	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5242 nuclear receptor Rev-ErbA-beta	U20796.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5243 nuclear receptor subfamily 1, group I, member 3	NM_005122.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5244 olfactory receptor (OR2D2) gene, partial cds	AF065876.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5245 olfactory receptor (OR7-86) pseudogene	U8628 U86282	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5246 olfactory receptor 17-93 (OR17-93) and olfactory	U76377	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5247 oncostatin M receptor (OSMR)	NM_003999.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5248 osteoprotegerin ligand	AF053712	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5249 outer membrane receptor Tom20 (TOM20) gene	AF126962.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5250 oxytocin receptor	X64878	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5251 oxytocinase splice variant 1	U62768	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5252 P2X7	Y12853	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5253 p50B/p97 (Lyt-10) transCRiption factor	D16367	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5254 PAR protein (PAR)	NM_012389.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5255 peroxisome proliferative activated receptor delta	AF246296S8	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5256 peroxisome proliferative activated receptor, gam	NM_013261.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5257 peroxisome receptor 1 (PXR1)	NM_000319.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5258 PEST-containing nuclear protein (pcnp)	NM_020357.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5259 photolyase, complete cds	D83702.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5260 pilin-like transCRiption factor	AF122004.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5261 PNR gene	AJ276674.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5262 pro-oncosis receptor inducing membrane injury ;	Hs.172089	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5263 prostaglandin E2 receptor EP4	AF177934	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5264 putative G-protein coupled receptor RA1c	AAD12761.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5265 receptor (calcitonin) activity modifying protein 3 (	NM_005856.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5266 receptor of retinoic acid (=M73779 PML-RAR prt	X06614	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5267 receptor tyrosine kinase-like orphan receptor 2 (Hs.155585		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5268 receptor tyrosine phosphatase gamma (PTPRG)	U46116.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5269 receptor-associated protein of the synapse, 43kI	XM_037181.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5270 regulator of G protein signaling (RGSS)	AF030108	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5271 Rel domain-containing transCRiption factor NFA	AF162853.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5272 RETINOIC ACID- AND INTERFERON-INDUCIB	spQ13325	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5273 retinoic acid receptor gamma (RARG)	NM_000966.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5274 retinoic acid receptor responder (tazarotene ind	NM_002888.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5275 retinoic acid receptor, beta (RARB) =Y00291 haj	NM_000965.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1



5276	retinoic acid-induced protein (RAI2)	AF136587.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5277	retinoid x receptor interacting protein (LOC5172)	NM_016290.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5278	retinoid X receptor, alpha (RXRA)	NM_002957.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5279	retinoid X receptor, gamma (RXRG)	NM_006917.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5280	RS21-C6 (Tdrp-TL1)	AF110764.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5281	scg	D67015.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5282	Sck, partial	AB001451	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5283	secreted modular calcium-binding protein 2 (smc)	AJ249902.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5284	sigma receptor (SR31747 binding protein 1) (SR)	NM_005866.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5285	steroid receptor (TR2-11)	M29960	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5286	steroid receptor RNA activator	AF092038.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5287	T41p (C8orf1)	AF061326.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5288	TAFII20 transcription factor TFIID(=TFIID subun	X84002.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5289	transmembrane receptor protein	Z17227.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5290	transportin-SR (TRN-SR)	AF145029.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5291	TRHR gene promoter (low match)	AJ011701	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5292	V beta T-cell receptor (TCRBV) (low match)	U03115	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5293	vanilloid receptor-like protein (VRL)	NM_016113.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5294	vasoactive intestinal peptide receptor 1 (VIPR1)	NM_004624.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5295	very low density lipoprotein receptor	D16532	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5296	v-Ki-ras2 Kirsten rat sarcoma 2 viral oncogene h	NM_004985.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5297	v-kit Hardy-Zuckerman 4 feline sarcoma viral on	NM_000222.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5298	benzodiazapine receptor (peripheral) (BZRP)	XM_040167.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5299	14-3-3 epsilon	U54778	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5300	14-3-3 protein beta subtype=putative protein kin	S55223	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5301	14-3-3 protein eta chain	D78577.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5302	14-3-3 protein gamma subtype=putative protein	S55305	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5303	14-3-3n protein (=D78577)	L20422	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5304	40 kDa protein kinase related to rat ERK2	Z11695	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5305	BIFUNCTIONAL 3'-PHOSPHOADENOSINE 5'-F	spO43252	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5306	calcineurin B	M30773.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5307	cAMP-dependent protein kinase regulatory subu	M65066	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5308	CDC-like kinase 3 (CLK3) transcript variant phcII	NM_003992.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5309	DCHT (=AF030403 Ste20-like protein kinase)	AF017635	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5310	ILK-1 gene for integrin-linked kinase 1, exons 1-	AJ404847.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5311	JAB1-containing signalosome subunit 3 (SGN3)	AF031647	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5312	JNK2 beta2 protein kinase (JNK2B2) (ORF)	U35003.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5313	MAP kinase-interacting serine/threonine kinase	NM_003684.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5314	mitogen-activated protein kinase 5 (MAP4K5)	NM_006575.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5315	mitogen-activated protein kinase 8 (MAPK8)(= ki	NM_002750.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5316	mitogen-activated protein kinase phosphatase x	NM_020185.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5317	mitogen-activated protein kinase-activated protein	NP_003659.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5318	mitotic spindle coiled-coil related protein (DEEP	NM_006461.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5319	pim-1 oncogene	M16750	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5320	PKU-alpha	AB004884	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5321	PKY protein kinase	AF004849.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5322	plk-1 (=U01038)	X73458	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5323	protein kinase C delta-type	D10495.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5324	protein kinase C zeta	Z15108	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5325	protein kinase C, alpha (RefSeq aa 3e-31)	NP_002728.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5326	protein kinase C, nu (PRKN)	NM_005813.2	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5327	protein kinase CDK9(CDK9) gene	AF255306	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5328	protein kinase Chk2 (RAD53)	NM_007194.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5329	protein kinase C-theta (PRKCT)	L01087.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5330	protein kinase Dyrk2	Y13493	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5331	protein kinase inhibitor p58	U28424	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5332	protein kinase inhibitor(testicular isoform) (ORF)	L02241	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5333	PROTEIN MOV-10	spP23249	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1

5334	PROTEIN N-TERMINAL ASPARAGINE AMIDOL spQ64311	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5335	PROTEIN OS-9 PRECURSOR (non-exact 48%) spQ13438	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5336	protein tyrosine kinase t-Ror1 (Ror1) (=AF05952 U38894	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5337	rac protein kinase beta M77198.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5338	Ser/Thr protein phosphatase type 2C beta 2 iso AF294792.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5339	serine racemase AF169974.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5340	serine/threonine protein kinase (HSA250839) NM_018401.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5341	serum inducible kinase (SNK) M96163	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5342	serum/glucocorticoid regulated kinase-like gi7019527	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5343	SFRS protein kinase 1 (SRPK1) NM_003137.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5344	SFRS protein kinase 2 (SRPK2) NM_003138.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5345	T2K protein kinase homologue AF145705.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5346	tyrosine 3-monooxygenase/tryptophan 5-monoo: NM_006761.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5347	tyrosine 3-monooxygenase/tryptophan 5-monoo: NM_003406.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5348	tyrosyl-tRNA synthetase U89436	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5349	VRK2 AB000450	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5350	cGMP phosphodiesterase delta subunit AF022912	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5351	cGMP-binding cGMP-specific phosphodiesterase AB001633.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5352	cyclic AMP-regulated phosphoprotein (90% matc AF112220.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5353	CYCLIC-AMP-DEPENDENT TRANSCRIPTION spP18848	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5354	Golgi membrane sialoglycoprotein MG160 (GLG U64791.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5355	breakpoint cluster region protein 2 (BCRG2) AF044774	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5356	cAMP-regulated guanine nucleotide exchange fa NM_007023.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5357	dishevelled 2 (homologous to Drosophila dsh) (E NM_004422.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5358	formin (Fmn) NM_010230.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5359	formin-binding protein 17 (FBP17) AF265550.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5360	GDP dissociation inhibitor 1 (GDI1) NM_001493.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5361	GRB2-associated binding protein 1 (GAB1) NM_002039.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5362	GTPase Rab14 (LOC51730) (=DKFZp762K0911NM_016322.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5363	GTPase-activating protein GAP11 U20238	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5364	GTP-binding protein similar to RAY/RAB1C (RA' NM_006860.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5365	guanine nucleotide exchange factor delta subunit M98036	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5366	guanine nucleotide exchange factor GRP1 (=A2:AJ005197	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5367	guanine nucleotide regulatory protein (ABR) U01147	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5368	guanine nucleotide regulatory protein (oncogene NM_005863.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5369	Intracellular hyaluronan-binding protein AF241831.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5370	mad protein homolog (hMAD-2) U68018	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5371	MAD2 protein (=U31278) AJ000186	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5372	Na/H exchanger 2 (A57644) (ORF) D87743	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5373	Na/H exchanger regulatory factor 2 (NHERF-2) AF035771	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5374	N-acetylneuraminate lyase (EC 4.1.3.3)(Non-exc CAA27051.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5375	non-receptor tyrosine kinase (TNK1) gene, com AF097738	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5376	partial RAB18 gene for RAS-related small GTPa AJ277148.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5377	phosphoprotein p53 M22898	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5378	Rab acceptor 1 (prenylated) (RABAC1) NM_006423.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5379	RAB10 XM_002267	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5380	RAB2, member RAS oncogene family (RAB2) (C NM_002865.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5381	Rab27a (=AF154840.1 Ras-like GTP-binding prc U38654.3	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5382	RAB31, member RAS oncogene family (RAB31) NM_006868.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5383	RAB39 (RAB39) AF322067	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5384	RAB-8b protein (LOC51762),mRNA NM_016530.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5385	rah=ras-related homologue S72304	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5386	RalBP1 associated Eps domain containing prote NM_009048.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5387	RalGDS-like 2 (RGL2) U68142	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5388	RAN binding protein 3 (RANBP3), transcript vari: NM_007321.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5389	RAN-SPECIFIC GTPASE-ACTIVATING PROTE spP43487	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5390	Ras association (RalGDS/AF-6) domain family 2 NM_014737.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5391	ras GTPase activating protein-like (NGAP) mRNA NM_004841.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1

5392 ras GTPase-activating-like protein (IQGAP1) (=L33075	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5393 Ras homolog enriched in brain 2 (RHEB2) NM_005614.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5394 ras homolog gene family member A (ARHA)(= GNM_001664.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5395 RasGAP-related protein (IQGAP2) U51903.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5396 ras-like protein M31467	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5397 ras-like protein (low match, 57% aa) M31468	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5398 ras-related protein (rab18) L04966	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5399 RAS-RELATED PROTEIN RAH1(AS-RELATED spQ64008	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5400 RAS-RELATED PROTEIN RAP-1A (C21KG)(Kf spP10113	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5401 rho GDP-dissociation Inhibitor 1 X69550	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5402 Rho GTPase activating protein 6 isoform5 (RefS NP_038266.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5403 Rho-associated, coiled-coil containing protein kii NM_004850.2	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5404 SH3 and PX domain-containing protein SH3PX1 NM_016224.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5405 SH3 domain-containing protein 6511 (LOC5116:NM_016223.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5406 SH3-containing adaptor molecule-1 AF037261.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5407 SH3-containing protein EEN (EEN) and chromatin AF190465.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5408 signal transducer and activator of transcription L29277	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5409 signal transducing adaptor molecule 2A (STAM) AF042273	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5410 signal-induced proliferation-associated gene 1 (S NM_006747.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5411 small GTP-binding protein RAB1A AF226873.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5412 Testin 2 (testin 3) AF260225	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5413 T-lymphoma invasion and metastasis inducing T U16296	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5414 transducer of ERBB2, 1 (RefSeq aa 2e-64) NP_005740.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5415 transducer of ERBB2, 2(TOB2) NM_016272.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5416 transducin (beta) like 1 protein Y12781	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5417 A kinase (PRKA) anchor protein 1 (AKAP1) XM_008154.3	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5418 ANG2 (ANG2) AF024631.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5419 angiopoietin-like 2 (ANGPTL2) NM_012098.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5420 Aspergillus nidulans sudD homologue AF013591	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5421 BB1=malignant cell expression-enhanced gene gi1699264	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5422 bone-derived growth factor (BPGF-1) L42379.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5423 EXT-like protein 2 (EXTL2) AF000416.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5424 factor C=endotoxin-sensitive intracellular serine S77064	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5425 gliosarcoma-related antigen MIDA1 (MIDA1) AF118853.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5426 glycine amidinotransferase (L-arginine:glycine ar NM_001482.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5427 insulin-like growth factor binding protein 6 (IGFB M69054.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5428 interferon-related developmental regulator 1 NP_001541.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5429 MAGE-Xp (non-exact 60%) (=M80840 Mouse ne X82539	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5430 non-erythrocyte beta spectrin AF017112	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5431 NOV protein X96585	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5432 SKB1Hs AF015913	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5433 angiopoietin-like factor (CTD6) NM_021146.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5434 activin beta-C chain X82540	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5435 angiogenin ribonuclease RNase A family, 5 (AN NM_001145.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5436 bone morphogenetic protein 4 precursor(RefSeq NP_001193.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5437 bone morphogenetic protein 7 (osteogenic protei NM_001719.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5438 bone morphogenetic protein1 (BMP1) (clone KT: L35279	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5439 CC-chemokine MCP-4 AJ001634.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5440 chemokine (C-X3-C) receptor 1 (CX3CR1) NM_001337.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5441 chemokine receptor X(CKRX) AF014958	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5442 chimaeric transCRipt of collagen type 1 alpha 1 : Y15913	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5443 decidual protein induced by progesterone (DEPF NM_007021.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5444 developmental arteries and neural crest EGF-like AF112152.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5445 developmental protein DG1071 AAC67538.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5446 endocrine regulator (RefSeq aa 2e-88) NP_055160.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5447 enkephalin K00489	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5448 fibroblast growth factor 13 (FGF13) NM_004114.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5449 fibroblasts of periodontal ligament AB019409	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1

5450	glia maturation factor beta	M86492	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5451	glia maturation factor homologous protein	AB001993.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5452	gonadotropin-releasing hormone (=X01059)	X15215.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5453	GRO3 oncogene (GRO3)	NM_002090.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5454	growth factor-responsive protein, vascular smooth muscle	A53770	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5455	growth hormone secretagogue precursor (GHRE)	AF296558.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5456	growth inhibitor p33ING1 (ING1)	AF001954	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5457	heparin cofactor II (HCF2)	M58600	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5458	heparin-binding growth factor binding protein (no NP_005121.1)		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5459	insulin-like growth factor binding protein 5	U02026	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5460	insulin-like growth factor binding protein (IGFBP)	X16302	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5461	interferon-induced leucine zipper protein (IFP35)	U72882.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5462	keratinocyte, normal	U33270.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5463	mast cell growth factor (Mgf)	U44725	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5464	monocyte seCRetory protein, JE (=S69738)	M28226.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5465	NB thymosin beta	D82345.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5466	neuroendoCRine seCRetory protein 55	AF105253.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5467	placental growth factor vascular endothelial growth factor	XM_040405.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5468	prepro insulin-like growth factor-I (IGF-I) gene, e	M59812.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5469	preproadrenomedullin, complete cds (exon 1-4)	D43639.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5470	schwannomin interacting protein 1 (SCHIP-1)	NM_014575.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5471	seCRetory protein clone 1.1 (=D79993 KIAA017)	U00157	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5472	thymocyte protein cThy28kD (=AF161493 HSPC)	U34350	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5473	Transformation-related protein	AAA36776.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5474	transformation-sensitive protein (IEF SSP 3521)	M86752	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5475	transforming acidic coiled-coil containing protein	AF093543.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5476	transforming growth factor, alpha (TGFA)	NM_003236.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5477	transforming growth factor-beta type I receptor	AF035669	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5478	TRANSFORMING PROTEIN P21/H-RAS-1 (C-terminus)	spP01112	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5479	TRK-fused gene (NOTE: non-standard symbol a)	NM_006070.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5480	uncharacterized bone marrow protein BM028 (=AF217505.1)		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5481	uncharacterized bone marrow protein BM029 (Bi)	NM_018450.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5482	uncharacterized bone marrow protein BM031	AF217508.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5483	uncharacterized bone marrow protein BM033	AF217510.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5484	uncharacterized bone marrow protein BM044	AF217520.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5485	uncharacterized hypothalamus protein HT010 (h)	NM_018471.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5486	vascular endothelial growth factor C (RefSeq aa)	NP_005420.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5487	vascular endothelial junction-associated molecule	AF255910.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5488	vascular Rab-GAP/TBC-containing (VRP)	XM_010826.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5489	WNT1 inducible signalling pathway protein 2 (W)	NM_003881.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5490	adenylyl cyclase	AF070583.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5491	adenylyl cyclase type V (=AB007882 hypothetical)	M96159	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5492	bone gamma-carboxyglutamate (gla) protein (os)	X51699	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5493	motch B	X68279	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5494	NAALADase II protein	AJ012370.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5495	adenylyl cyclase 7 (ADCY7) (=D25538 KIAA00)	gi4557254	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5496	adenylyl cyclase activating polypeptide 1 (pituit)	NM_001118.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5497	ADP-ribosylation factor	L38490	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5498	ADP-ribosylation factor (hARF5)	M57567	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5499	ADP-ribosylation factor 3 (ARF3)	NM_001659.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5500	ADP-ribosylation factor binding protein (GGA1)	AF190862.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5501	ADP-ribosylation factor GTPase activating protein	BC005122.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5502	ADP-ribosylation factor-like 5 (ARL5), mRNA	NM_012097.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5503	ADP-ribosylation factor-like 6 interacting protein	XM_027365.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5504	alpha-catenin-like protein (CTNNAL1)	AF030233	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5505	ARP1 (actin-related protein 1, yeast) homolog A	XM_031949.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5506	beta-arrestin 2 (=ARRB2)	AF106941.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5507	Ca/calmodulin-dependent protein kinase II, delta	NM_012519.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1

5508	Ca <sup>2+</sup> -transporting ATPase (EC 3.6.1.38), fast sk	S24359	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5509	calcium/calmodulin-dependent protein kinase I (I	NM_003656.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5510	CALCIUM-BINDING PROTEIN E63-1=U25882(C	P48593	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5511	calcium-independent alpha-latrotoxin receptor h	AF063102	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5512	catenin (cadherin-associated protein), beta 1 (C1	NM_001904.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5513	catenin(cadherin-associated protein), delta 1 (C1	NM_001331.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5514	collapsin response mediator protein CRMP-1 (=I	U17278	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5515	ECSIT (LOC51295)	NM_016581.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5516	Gi3 alpha protein	X54048.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5517	grancalcin (GCL)	NM_012198.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5518	guanyl cyclase C gene	U20230	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5519	homer-2a	AF093263	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5520	indian hedgehog protein (IHH)	L38517.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5521	max gene	X66867.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5522	NAD ADP-ribosyltransferase 3 (ADPRT3)	AF085734.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5523	nuclear receptor subfamily 2, group C, member	NM_003297.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5524	SAR1 (SAR1)	AF261717	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5525	soluble guanylate cyclase small subunit	X66533	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5526	terminal transferase	M11722.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5527	TIRC7 protein (TCIRG1)	AF033033.2	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5528	TNF receptor-1 associated protein (TRADD)	L41690	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5529	TNF receptor-associated factor 1 (TRAF1)	NM_005658.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5530	TNF-alpha stimulated ABC protein (ABC50)	AF027302.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5531	TNF-receptor associated factor-3 (TRAF-3)	AF110908.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5532	TOK-1beta	AB040451.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5533	vitamin D3 receptor interacting protein (DRIP80)	AF105421.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5534	inner membrane protein mitochondrial (mitofilin)	gi5803114	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5535	thiamine transporter 1 (THT1)	AF160812.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5536	ABC transporter (ATM1)	AF078777.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5537	calcium activated neutral protease large subunit	X04366	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5538	calcium transport ATPase ATP2C1 (ATP2C1)	AF225981.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5539	calcium-activated potassium channel	U093833	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5540	channel-kinase 1 (CHAK1)	AF346629	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5541	chloride channel 3 (CLCN3)	X78520	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5542	chloride channel protein 4	AB019432.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5543	chloride channel regulatory protein	U17899	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5544	connexin 26 (GJB2)	M86849.2	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5545	Creatine transporter (SLC6A8) and (CDM) parak gi	1401058	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5546	dopamine responsive protein DRG-1	AF271994.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5547	familial intrahepatic cholestasis 1, (progressive,	NP_005594.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5548	gamma-aminobutyraldehyde dehydrogenase (=L	U34252	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5549	gamma-aminobutyric acid (GABA) A receptor, al	NM_000809.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5550	gamma-aminobutyric acid (GABA) B receptor, 1	NM_001471.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5551	glycoprotein (transmembrane) nmb (GPNMB), π	Hs.82226	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5552	hemoglobin, alpha 1 (HBA1)	NM_000558.3	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5553	hemoglobin, alpha 2 (HBA2),	NM_000517.3	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5554	large conductance calcium- and voltage-depend	U11058.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5555	L-type calcium channel beta-1 subunit (CACNL	U39412	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5556	Machado-Joseph disease (MJD)	NM_004993.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5557	membrane-bound aminopeptidase P (XNPEP2)	AF195953.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5558	minK-related peptide 3	AF076533.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5559	OCTN2	AB016625.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5560	PALS1	AF199008	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5561	potassium channel subunit (=AB037843 KIAA14	AF089730	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5562	potassium large conductancecalcium-activated c	NP_002238.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5563	potassium voltage-gated channel, shaker-relate	NM_003471.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5564	proton pump polypeptide	M58758	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5565	SODIUM/HYDROGEN EXCHANGER 6 (NA( )/H	Q92581NAH6	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1

5566	TRPC1 protein	X89066	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5567	VDAC1 gene porin isoform 1	AJ250039.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5568	voltage-gated potassium channel KCNQ5 (KCNK10)	AF263835.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5569	cell surface glycoprotein P1H12 precursor	AF089868.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5570	killer cell lectin-like receptor subfamily B, member 1	NM_002258.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5571	METAXIN	spQ13505	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5572	beta 2	X02344	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5573	beta4-integrin (ITGB4) (low match)	U66534	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5574	cadherin 5, VE-cadherin (vascular epithelium) (CD5)	NM_001795.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5575	cadherin-15	D83542	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5576	cerebral cell adhesion molecule (=AB011156)	KI AF177203.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5577	c-type lectin DCL1 (ORF)	AF121352	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5578	cysLT1 LTD4 receptor (CYSLT1)	AF119711.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5579	desmoplakin (DPI, DPII) (RefSeq aa 1e-88)	NP_004406.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5580	flotillin 1 (FLOT1)	NM_005803.2	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5581	focal adhesion kinase (FAK)	L13616.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5582	fucosyltransferase 8 (alpha (1,6)fucosyltransferase)	NP_004471.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5583	GPI transamidase	AF022913	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5584	hGAA1	AB006969	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5585	ICHIT protein (52/53)	AJ010903.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5586	insulin-like growth factor binding protein 4 (IGFBP4)	M62403.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5587	integrin alpha 6	X53586	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5588	integrin associated protein	Z25524.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5589	integrin beta 3 binding protein (beta3-endonexin) (NM_014288.1)	NM_014288.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5590	INTEGRIN BETA-8 PRECURSOR	spP26012	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5591	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	NM_002205.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5592	junctional adhesion molecule 3 (JAM3)	XM_053514.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5593	N-cadherin mRNA, complete cds	M34064.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5594	nel (chicken)-like 2 (NELL2)	NM_006159.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5595	neural cell adhesion molecule	X07200.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5596	neural F box protein NFB42	AF098301	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5597	ninjurin 2 (NINJ2)	NM_016533.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5598	novel protein AHNK mRNA, partial sequence	M80899.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5599	p55-related MAGUK protein DLG3 (dlg3)	AF124435.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5600	PCDH-psi3 pseudogene	AF152529.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5601	PNGase	AF250924.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5602	polycystic kidney disease 1 (autosomal dominant)	NM_000296.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5603	Semaphorin A (V)(SEMA5)	NM_004636.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5604	semaphorin V	U28369	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5605	syntaxin 5	U26648	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5606	syntaxin4-interacting protein synip (ORF)	AF152924	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5607	SYT	X79201	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5608	thrombomodulin, endothelial cell	M16552	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5609	TRAF interacting protein (TRIP)	NM_005879.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5610	TRAF5	AB000509.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5611	TRAF-interacting protein I-TRAF	U59863.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5612	triple functional domain(PTPRF interacting) (TRI)	NM_007118.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5613	Tspan-3	AF054840	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5614	Nop10p	NM_018648.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5615	chromodomain helicase DNA binding protein 3 (CHD3)	NM_001272.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5616	chromosomal protein HMG1 related gene	D14718	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5617	chromosome-specific mRNA	L23207.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5618	cisplatin resistance associated (CRA)	NM_006697.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5619	H1 histone (H1FO)	NM_005318.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5620	H2A histone family, member Y (H2AFY)(= histone H2A)	NM_004893.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5621	H2B histone family, member Q (H2BFQ)	NM_003528.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5622	heterochromatin protein homologue (HP1)	L07515.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5623	heterochromatin protein p25	U35451	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1

5624	high mobility group 1 protein	L13804	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5625	high mobility group 1-like protein L6 (HMG1L6) r	AF076678.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5626	high mobility group box (SSRP1)	M86737	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5627	high mobility group HMGIC/NFIB fusion protein (	AF022215	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5628	high mobility group-box containing protein 1 (HB	NM_012257.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5629	highly charged protein (D13S106E) (=X59131)	gi5031648	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5630	high-mobility group (nonhistone chromosomal) p	XM_028234.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5631	high-mobility group phosphoprotein (HMG1-C)	L41044	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5632	high-mobility group phosphoprotein isoform I-C (	U28754.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5633	histone acetylase complex subunit (SPT3)	AF073930.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5634	histone H2A.X.	X14850	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5635	hp1-gamma-D2192 Heterochromatin protein 1 g	AB030905	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5636	importin beta subunit	L38951.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5637	Nap1 protein (=AB011159 hypothetical protein (I	D84346	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5638	non-histone chromosomal protein (NHC)	U90549.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5639	nonhistone protein HMG1	M21683	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5640	nucleosome assembly protein 2	U77456	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5641	PDNA sequence AC clone 219d7,	AF225899	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5642	pericentriolar material 1 (PCM1), mRNA /cds=(4)	Hs.75737	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5643	RecQ4 DNA helicase	AB006532	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5644	RPA interacting protein alpha (44% ORF)	CAB45690.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5645	RTS gene	AF305057.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5646	RuvB (E coli homolog)-like 2(RUVBL2) (=erythro	NM_006666.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5647	telomeric repeat binding factor 2 (TERF2)	NM_005652.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5648	TERF1 (TRF1)-interacting nuclear factor 2 (TINF	XM_033252.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5649	TRF2-interacting telomeric RAP1 protein (RAP1	AF262988.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5650	34 kDa Mov34 homolog	U70735	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5651	BTG family, member 3 (BTG3)	5802989	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5652	cdk inhibitor p27KIP1	AY004255.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5653	MD-2 protein (MD-2)	NM_015364.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5654	M-phase phosphoprotein 4 (MMP4)	NM_012218.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5655	OM-1	X67534	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5656	200 kD protein	X80169	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5657	5-azacytidine induced gene 2 (Azi2)	NM_013727.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5658	BM-006	AF208848	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5659	BM-008	AF208850	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5660	BM-017 (=ALEX3)	AF208859.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5661	BM022 mRNA	AF212225.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5662	CDC23 (cell division cycle 23, yeast, homolog) (	NM_004661.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5663	CDC37 homologue	U43077	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5664	Cdc7 (CDC7)	AF015592.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5665	cdk-inhibitor p57/KIP2 (CDKN1C) (=U22398)	U48869	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5666	cell cycle gene RCC1	X12654.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5667	clk1	L29219	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5668	cycA gene for cyclin A	X68303.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5669	cyclin B	M25753	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5670	cyclin C (CCNC)	NM_005190.2	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5671	cyclin G1 interacting protein	U61837	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5672	cyclin H (CCNH) mRNA	NM_001239.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5673	cyclin K (RefSeq aa 5e-62)	NP_003849.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5674	cyclin T1 (RefSeq aa 7e-75)	NP_001231.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5675	cyclin T2 (CCNT2)	NM_001241.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5676	Cyclin-dependent kinase (CDC2-like) 10 (CDK1(	NM_003674.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5677	CYCLIN-DEPENDENT KINASES REGULATOR spP33551		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5678	D-type cyclin-interacting protein 1 (DIP1)	AF082569	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5679	enhancer of zeste (Drosophila) homolog 2 (EZH	NM_004456.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5680	Fanconi anemia, complementation group G (FAI	NM_004629.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5681	GANP protein (=KIAA0572 protein)	AJ010089.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1

5682	geminin	AF067855.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5683	GTP binding protein similar to S. cerevisiae HBS	NM_006620.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5684	GTP-binding protein	Z49068	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5685	GTP-binding protein (RAB4)	M28211	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5686	GTP-binding protein (rhoB)	AF098515	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5687	GTP-binding protein (rhoC) (=X05026;L09159)	L25080	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5688	GTP-binding protein alpha q subunit (GNAQ) mf	U40038.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5689	GTP-binding protein NGB	AF120334	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5690	GTP-binding protein rah	AF056807	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5691	HARP (HARP) gene	AF210835.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5692	HsGAK	D88435	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5693	Iodestar protein	AF080255.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5694	Mig-6=mitogen-inducible gene mig-6 product	gi1037127	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5695	minichromosome maintenance deficient (mis5, S	NM_005915.2	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5696	Miz-1 protein	Y09723	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5697	myeloid differentiation primary response protein	U70451	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5698	NIMA (never in mitosis gene a)-related kinase 6	NM_014397.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5699	nucleolar protein p40	AAB46731.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5700	nucleolin (NCL) (=FLJ20214 fis)	NM_005381.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5701	p85Mcm (=D55716 P1cdc47; D28480 hMCM2)	X74796	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5702	PRAD1 cyclin	X59798	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5703	Pseudoautosomal GTP-binding protein-like (PGI	NM_012227.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5704	RhoE=26 kda GTPase homolog	S82240	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5705	topoisomerase II alpha-4 (AF285159)	AAG13405.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5706	Fas-associated factor, FAF1 (Faf1 gene)	AJ271408.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5707	neuronal thread protein AD7c-NTP	NP_055301.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5708	neutral sphingomyelinase (N-SMase) activation :	gi4505464	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5709	Newcastle disease virus inducible protein	U25276	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5710	APG5 (autophagy 5, S.cerevisiae)-like (APG5L)	NM_004849.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5711	apoptosis inhibitor 1 (API1)	NM_001166.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5712	apoptosis inhibitor survivin gene, complete cds	U75285.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5713	apoptosis related protein APR-3	AF144055.2	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5714	apoptosis-associated nuclear protein (PHLDA1)	AF239986.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5715	Baculoviral IAP repeat-containing 3 (BIRC3)(=ini	NM_001165.2	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5716	Bcl-2-binding protein (BAG-1)	AF022224	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5717	bridging integrator protein-1 (BIN1) gene	U84000.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5718	caspase 3, apoptosis-related cysteine protease (	NM_004346.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5719	caspase 6, apoptosis-related cysteine protease	XP_003600.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5720	cell death suppressor (WA1) (=AF049672)	AF000267	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5721	cell recognition molecule Caspr2 (=AB020675 K	AF193613	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5722	death-associated protein kinase 1 (DAPK1)	NM_004938.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5723	DRAK1	AB011420	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5724	dual specificity phosphatase 6, clone MGC:3789	BC003143.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5725	DUSP6 (=X93920 protein-tyrosine-phosphatase)	AB013382.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5726	ES18	AF083930	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5727	Fas-apoptosis inhibitory molecule (Faim)	AF130367.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5728	neuronal apoptosis inhibitory protein 6 (Naip6);	AF242431.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5729	neuronal cell death-related protein (LOC51616),	NM_015975.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5730	neurotrophin-3 (NT-3)	M37763	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5731	programmed cell death 5(PDCD5), (= TFAR1)	NM_004708.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5732	programmed cell death 9 (PDCD9) (ORF)	AF146192	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5733	RIP protein kinase	U50062.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5734	seCReted apoptosis related protein 1 (Sarp1)	AF017989	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5735	Siva-2 (ORF)	AF033111	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5736	Kin17 protein	AJ005273.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5737	MSSP	D82352	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5738	ATP-DEPENDENT DNA HELICASE II, 80 KDA : sp	P13010	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5739	DNA fragmentation factor, 45 kD, alpha polypept	NM_004401.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1



5740	DNA polymerase delta	M81735	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5741	DNA replication licensing factor (huMCM2) (=D2 D83987		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5742	DNA-DIRECTED RNA POLYMERASE II 19 KDa spP52433		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5743	DNA-DIRECTED RNA POLYMERASES I, II, AN spP53803		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5744	gene encoding splicing factor SF1	AJ000052.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5745	line-1 reverse transcriptase	AAC51337.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5746	meiotic recombination (S. cerevisiae)11 homolog NP_005582.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5747	meiotic recombination protein REC14	AAG31639.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5748	origin recognition complex protein 2 homologue U27459		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5749	origin recognition complex subunit 4 (ORC4L) (=AF047598		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5750	origin recognition complex subunit LATHEO (LA' AF093535.1		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5751	origin recognition complex, subunit 3(yeast hom NP_036513.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5752	polymerase (RNA) II (DNA directed) polypeptide NM_000937.1		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5753	polymerase (RNA) II (DNA directed) polypeptide NM_002694.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5754	polymerase (RNA) II (DNA directed) polypeptide NM_002695.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5755	polymerase (RNA) II (DNA directed) polypeptide NM_006233.2		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5756	polymerase (RNA) III (DNA directed) (39kD) (RP NM_006466.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5757	polymerase II subunit hSRPB4	U89387	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5758	primase, polypeptide 1(49kD) (PRIM1)(= (subunit NM_000946.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5759	replication factor C, 40-kDa subunit (A1) (=AF04 M87338		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5760	reverse transcriptase (non-exact)	AAB02291.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5761	BAF60b	AF068245	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5762	binding protein(SRM300)(= HSPC075)(= splicing NM_016333.1		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5763	budding uninhibited by benzimidazoles 1 (yeast NM_001211.2		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5764	anaphase-promoting complex subunit 7 (APC7) AF191340.1		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5765	BCL2-associated athanogene 2 (BAG2) NM_004282.2		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5766	CDEI binding protein	Z22572.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5767	cell division protein (=AJ005892 JM23 protein) AF063015		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5768	cytosolic adenylate kinase (AK1) J04809		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5769	D9 splice variant A	U95006	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5770	disabled (Drosophila) homolog 1 (DAB1) NM_021080.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5771	discs, large (Drosophila) homolog 1 (DLG1) gi4758161		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5772	D-prohibitin	AF178980	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5773	HERV1	U31176	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5774	hevin like protein =high endothelial venule (ORF X82157		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5775	Murr2 (=AB018272 KIAA0729) D85434		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5776	Notch2	D32210.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5777	progesterone induced protein (RefSeq aa 6e-32) NP_056986.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5778	prohibitin (PHB) NM_002634.2		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5779	proliferating cell nuclear antigen (PCNA), mRNA Hs.78996		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5780	proliferation potential-related protein AF352051.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5781	proto-oncogene (Wnt-5a) L20861.1		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5782	RFG	X77548.1	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5783	SEPTIN 6 type II (SEPTIN6) mRNA, complete alpha AF403059.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5784	tumor endothelial marker 7 precursor (aa 3e-13) NP_065138.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5785	tumor necrosis factor receptor 2 (TNFR2) U52165		0	0.00%	0	0.00%	1	0.01%	0	0.00%	1
5786	tumor necrosis factor type 1 receptor associated NM_016292.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5787	tumor necrosis factor type 2 receptor associated U12597.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5788	tumor necrosis factor(ligand) superfamily, memb NM_003809.1		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5789	tumor necrosis factor, alpha-induced protein 1 (e NM_021137.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5790	tumor necrosis factor, alpha-induced protein 3 (TNM_006290.1		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5791	tumor protein D52-like 2 (TPD52L2) NM_003288.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5792	tumor protein p53-binding protein, 2 (TP53BP2) NM_005426.1		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5793	tumor suppressing subtransferable candidate 1 (NM_003310.1		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5794	tumor susceptibility gene 101 (RefSeq aa 2e-61) NP_006283.1		0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5795	raf oncogene	X03484	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5796	mitochondrial precursor receptor (=D13641 Hum D63411		1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5797	mannan-binding lectin-associated serine protease X98400.1		0	0.00%	0	0.00%	0	0.00%	1	0.01%	1

5798 T cell-activating protein (HRF20)	M27909	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5799 ragB protein	X90530	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5800 mitochondrial F1Fo-ATPase synthase f subunit	AF047436	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5801 actinin, alpha 4 (H. sapiens) (LOC126227)	XM_059002.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5802 SH3 domain binding glutamic acid-rich protein (S	XM_049754.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5803 fetal liver cDNA library Homo sapiens cDNA	AI174701.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5804 FSHD region gene 1 (RefSeq aa 7e-36)	NP_004468.1	0	0.00%	1	0.01%	0	0.00%	0	0.00%	1
5805 glycoprotein (transmembrane) nmb (GPNMB), r	Hs#S1731822	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1
5806 apurinic/aprimidinic endonuclease(APEX nucle	NM_014481.1	1	0.01%	0	0.00%	0	0.00%	0	0.00%	1
5807 glutamine-fructose-6-phosphate transaminase 1	NM_002056.1	0	0.00%	0	0.00%	0	0.00%	1	0.01%	1

Figure 6A – EST Names Corresponding to Unique Known Genes of Figure 6

## 1. alpha gene sequence (=HSP90) AF203815.1 1560

ncrc6517	ncrc6300	MIOA0975n	MIOA2770a	MIOA4599a	MIOA6533a	MIOA8974	miob0581	miob2480
ncrc6624	ncrc6400	MIOA1005	MIOA2810a	MIOA4620a	MIOA6712a	MIOA8991	miob0627	miob2494
ncrc5747	ncrc5893	mioa1043m	MIOA2823a	MIOA4660a	MIOA6749a	MIOA8995	miob0642	MIOB2570
ncrc5725	ncrc6269	MIOA1206	MIOA2826a	MIOA4675	MIOA6759a	MIOA8996	miob0658	MIOB2585
ncrc6233	ncrc5859	MIOA1210	MIOA2874a	MIOA4703	MIOA6775a	MIOA9001	miob0721	MIOB2605
ncrc7150	ncrc6408	MIOA1229	MIOA2878a	MIOA4728	MIOA6777a	MIOA9027	miob0742	MIOB2611
ncrc6706	ncrc6727	MIOA1262n	MIOA2885a	MIOA4781a	MIOA6802a	MIOA9049	miob0751	MIOB2616
ncrc7164	ncrc7054	MIOA1268	MIOA2888a	MIOA4815a	MIOA6844a	MIOA9114	miob0759	MIOB2621
ncrc7111	ncrc6904	MIOA1269	MIOA2889a	MIOA4828a	MIOA6877a	MIOA9174	miob0805	MIOB2675
ncrc3534	ncrc6971	MIOA1347a	MIOA2931a	MIOA4894a	MIOA7084a	mioa9232	miob0814	MIOB2692
ncrc3651	ncrc6773	MIOA1381a	MIOA2944a	MIOA4906a	MIOA7111a	mioa9238	miob0830	MIOB2698
ncrc2277	ncrc6886	MIOA1402a	MIOA2959a	MIOA4942a	MIOA7138a	mioa9292	miob0843	MIOB2717
ncrc2551	CR0444	MIOA1406a	MIOA3021a	MIOA4995a	MIOA7182a	mioa9302	miob0848n	MIOB2720
ncrc4128	FCR5216	MIOA1407a	MIOA3028a	MIOA5012a	MIOA7227a	mioa9306	miob0869	MIOB2727
ncrc4187	fcrb1838	MIOA1415	MIOA3039a	MIOA5024a	MIOA7286	mioa9322	miob0889	MIOB2728
ncrc3945	fcrb2577	MIOA1419	MIOA3123a	MIOA5042a	MIOA7363a	mioa9342	miob1014	MIOB2787
ncrc4202	hfcR0495	MIOA1422	MIOA3154a	MIOA5069a	MIOA7368a	mioa9415	miob1034	MIOB2808
ncrc4427	hfcR2686	MIOA1428	MIOA3166a	MIOA5105a	MIOA7430a	mioa9497	miob1073	MIOB2849
ncrc4625	hfcR3457	MIOA1567	MIOA3189a	MIOA5118a	MIOA7437a	mioa9534	miob1089	MIOB2867
ncrc4641	hfcR3502	MIOA1583	MIOA3372a	MIOA5151a	MIOA7539a	mioa9574	miob1090	miob2886
ncrc4657	hfcR5094	MIOA1611a	MIOA3422a	MIOA5195a	mioa7731a	mioa9584	miob1092	miob2898
ncrc4611	hfcR5772	MIOA1639a	MIOA3435a	MIOA5449a	mioa7856	mioa9597	miob1097n	miob2919
ncrc4417	hfcR7350	MIOA1651a	MIOA3444a	MIOA5546a	MIOA7988a	mioa9621	miob1100	miob2929
ncrc4556	MIOA0002a	MIOA1696a	MIOA3465a	MIOA5562a	MIOA7993a	mioa9622	miob1108	miob2931
ncrc5118	MIOA0028a	MIOA1707a	MIOA3522a	MIOA5644a	MIOA8009a	mioa9659n	miob1140	miob2945
ncrc4803	MIOA0036a	MIOA1741	MIOA3523a	MIOA5650	MIOA8022a	mioa9668	miob1226	miob2958
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ncrc4268	MIOA0198a	MIOA2078	MIOA3705a	MIOA5802a	MIOA8218	mioa9775	miob1454	miob3064
ncrc4751	MIOA0199a	MIOA2100	MIOA3781	MIOA5809a	MIOA8237	mioa9852	miob1457	miob3073
ncrc4249	MIOA0208a	MIOA2120	MIOA3885a	MIOA5821a	MIOA8469	mioa9869	MIOB1491	miob3091
ncrc4774	MIOA0226a	MIOA2159a	MIOA3901a	MIOA5875a	MIOA8497	mioa9872	MIOB1498	miob3097
ncrc4276	MIOA0254a	MIOA2201a	MIOA3922a	MIOA5878a	MIOA8535	mioa9889	MIOB1553	miob3125
ncrc5278	MIOA0259	MIOA2206a	MIOA3973a	MIOA5880a	MIOA8563	mioa9899	MIOB1554	miob3181
ncrc4784	MIOA0262	MIOA2212a	MIOA4006a	MIOA5943a	MIOA8573	mioa9900	MIOB1565	miob3188
ncrc5236	MIOA0290	MIOA2233a	MIOA4025a	MIOA5944a	MIOA8620	mioa9902	miob1777	miob3190
ncrc4769	MIOA0292	MIOA2258a	MIOA4067a	MIOA6014a	MIOA8723	mioa9918	miob1850n	miob3193
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ncrc5612	mioa0568	MIOA2524a	MIOA4274	MIOA6157a	MIOA8882	miob0159	miob1957	miob3263
ncrc5305	mioa0709m	MIOA2529a	MIOA4315a	MIOA6166a	MIOA8885	miob0198	miob1958	miob3287
ncrc5599	MIOA0710	MIOA2590a	MIOA4337a	MIOA6167a	MIOA8889	miob0220	miob1968	miob3289
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ncrc6429	MIOA0956	MIOA2689a	MIOA4541a	MIOA6478a	MIOA8967	miob0365	miob2434	miob3423

Figure 6A – Continued

miob3435	miob4507	miob5750	miob6838	ncr2483	ncr4609	ncr6260	ncr9063	ncrb1530
miob3459	miob4511	miob5757	miob6854	ncr2503	ncr4619	ncr6306	ncr9070	ncrb1533
miob3467	miob4520	miob5782	miob6886	ncr2584	ncr4655	ncr6383	ncr9079	ncrb1600
miob3469	miob4521	miob5801	miob6894	ncr2596	ncr4682	ncr6385	ncr9082	ncrb1664
miob3507	miob4555	miob5817	miob6907	ncr2620	ncr4702	ncr6398	ncr9214	ncrb1676
miob3537	miob4622	miob5850	miob6909	ncr2642	ncr4742	ncr6402	ncr9282	ncrb1697
miob3558	miob4623	miob5851	miob6916	ncr2643	ncr4770	ncr6588	ncr9332	ncrb1698
miob3627	miob4633	miob5896	miob6917	ncr2829	ncr4789	ncr6608	ncr9361	ncrb1756
miob3687	miob4644	miob5899	miob6920	ncr2855	ncr4856	ncr6659	ncr9393	ncrb1759
miob3692	miob4649	miob5906	miob6934	ncr2955	ncr4864	ncr6664	ncr9458	ncrb1886
miob3722	miob4659	miob5907	miob6938	ncr3000	ncr4883	ncr6694	ncr9480	ncrb1887
miob3752	miob4671	miob5911	ncr0023	ncr3085	ncr4916	ncr6917	ncr9485	ncrb1893
miob3765	miob4685	miob5928	ncr0028	ncr3103	ncr4917	ncr6958	ncr9498	ncrb1913
miob3777	miob4699	miob5934	ncr0198	ncr3158	ncr4920	ncr7056	ncr9500	ncrb1924
miob3844	miob4709	miob5942	ncr0201	ncr3220	ncr4930	ncr7074	ncr9511	ncrb2072
miob3870	miob4740	miob5951	ncr0209	ncr3223	ncr4944	ncr7159	ncr9519	ncrb2096
miob3914	miob4753	miob5955	ncr0215	ncr3259	ncr4953	ncr7234	ncr9527	ncrb2189
miob3930	miob4759	miob5974	ncr0233	ncr3322	ncr4999	ncr7254	ncr9537	ncrb2204
miob3964	miob4762	miob5976	ncr0312	ncr3333	ncr5113	ncr7263	ncr9557	ncrb2336
miob3966	miob4772	miob5982	ncr0331	ncr3350	ncr5127	ncr7276	ncr9564	ncrb2480
miob3987	miob4778	miob5985	ncr0333	ncr3375	ncr5150	ncr7289	ncr9580	ncrb2492
miob3988	miob4780	miob5986	ncr0338	ncr3456	ncr5157	ncr7334	ncr9598	ncrb2568
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miob4029	miob4891	miob5992	ncr0404	ncr3490	ncr5179	ncr7389	ncr9695	ncrb2677
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Figure 6A – Continued

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Figure 6A – Continued

seob6013	seob6250	seob6566	seob6904	seob7315	seob7593	seob7701	seob8048	seob8202
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seob6058	seob6310	seob6687	seob7040	seob7365	seob7642	seob7737	seob8107	SOA0505
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seob6127	seob6409	seob6826	seob7079	seob7388	seob7651	seob7911	seob8141	
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## 2. mitochondrial genome (consensus sequence) X62996 778

ncrc1692	ncrc5585	FCR1139	FCR6079	MIOA0468	MIOA1713a	MIOA3151a	MIOA5286a	MIOA7235a
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Figure 6A – Continued

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MIOB2781	ncr1142	ncrb0522	ncrc1839	SEOA0251a	SEOA3183	SEOA5987a	SEOA9878	seob6390
miob3791	ncr1317	ncrb0563	ncrc1924	SEOA0287	SEOA3277n	SEOA5997a	SEOB0004	seob6548
miob4505	ncr1552	ncrb2036	ncrc2160	SEOA0421	SEOA3291	SEOA6002a	SEOB0087	seob6783
miob4526	ncr1787	ncrb2059	ncrc2177	SEOA0513	SEOA3446a	SEOA6020a	SEOB0090	seob6813
miob4589	ncr1793	ncrb2104	ncrc2224	SEOA0582	SEOA3509a	SEOA6205a	SEOB0198	seob6843
miob4600	ncr1971	ncrb2118	ncrc2588	SEOA0590a	SEOA3530a	SEOA6283	SEOB0274	seob7002
miob4682	ncr2657	ncrb2181	ncrc2667	SEOA0614a	SEOA3535a	SEOA6290	SEOB1123	seob7099
miob4688	ncr2731	ncrb2242	ncrc2716	SEOA0806	SEOA3540a	SEOA6307	SEOB1129	seob7405
miob4774	ncr2844	ncrb2261	ncrc2769	SEOA0843	SEOA3564a	SEOA6408	SEOB1314	seob7439
miob4843	ncr3864	ncrb2330	ncrc2775	SEOA0886	SEOA3642a	SEOA6478a	SEOB1401	seob7905
miob4908	ncr3935	ncrb2361	ncrc2819	SEOA0892	SEOA3703a	SEOA6569a	SEOB1547	seob7934
miob4915	ncr3970	ncrb2453	ncrc2945	SEOA0942	SEOA3715a	SEOA6639a	SEOB1573	seob8269
miob4930	ncr3997	ncrb2787	ncrc3115	SEOA0989	SEOA3883	SEOA6716	SEOB1593	seob8324
miob4937	ncr4107	ncrb2838	ncrc3177	SEOA1115a	SEOA3884	SEOA6909	SEOB1626	seob8339
miob4958	ncr4222	ncrb2862	ncrc3227	SEOA1151a	SEOA3897	SEOA6917	SEOB1704	SOA0667
miob4978	ncr5318	ncrb3663	ncrc3797	SEOA1275a	SEOA3942a	SEOA7087a	SEOB2076	
miob5006	ncr5867	ncrb3997	ncrc4024	SEOA1283a	SEOA3980a	SEOA7183a	SEOB2798	
miob5095	ncr5912	ncrb4002	ncrc4515	SEOA1339n	SEOA4189a	SEOA7384a	SEOB3100	
miob5101	ncr7495	ncrb4104	ncrc4621	SEOA1423a	SEOA4247a	SEOA7401a	seob3646	
miob6102	ncr7508	ncrb4173	ncrc4720	SEOA1475	SEOA4248a	SEOA7430a	seob3709	

## 3. fibronectin (FN)X02761.1 643

ncrc3404	hfc1723	MIOA0495	MIOA1742	MIOA2305a	MIOA3067a	MIOA3900a	MIOA4899a	mioa5683n
ncrc3455	hfc1764	MIOA0643n	MIOA1781	MIOA2349a	MIOA3244a	MIOA3929a	MIOA5155a	MIOA5733a
FCR0872	hfc1862	MIOA0779	MIOA1943a	MIOA2401a	MIOA3250a	MIOA4049a	MIOA5164a	MIOA5746a
FCR1701	HFCR3211	MIOA0847a	MIOA1957a	MIOA2462a	MIOA3385a	MIOA4142	MIOA5211a	MIOA5888a
FCR1932	hfc4316	MIOA0997n	MIOA1959a	MIOA2761a	MIOA3423a	MIOA4368a	MIOA5297a	MIOA5904a
FCR1973	hfc5399	mioa1042m	MIOA1968a	MIOA2827a	MIOA3433a	MIOA4373a	MIOA5401a	MIOA5953a
FCR3094	hfc6812	MIOA1122	MIOA1969a	MIOA2875a	MIOA3461a	MIOA4547a	MIOA5506a	MIOA6085a
FCR5537	hfc9913	MIOA1224m	MIOA2001n	MIOA2904a	MIOA3502a	MIOA4566a	MIOA5581a	MIOA6214a
FCR6007	MIOA0295	MIOA1260	MIOA2034	MIOA2921a	MIOA3595a	MIOA4689	MIOA5623a	MIOA6282a
fcrb2581	MIOA0344	MIOA1536	MIOA2102	MIOA3036a	MIOA3601a	MIOA4851a	MIOA5652	MIOA6288a

Figure 8A – Continued

MIOA6448a	miob0421	miob5953	ncrc5729	SEOA2556	SEOA5901	SEOA8248	SEOB1244	seob4474
MIOA6547a	miob0502	miob5973	ncrc6440	SEOA2586	SEOA5940	SEOA8258	SEOB1252	seob4482
MIOA6613a	MIOB0574	miob6051	ncrc6707	SEOA2676n	SEOA5970a	SEOA8369a	SEOB1296	seob4483
MIOA6622a	miob0824	miob6308	ncrc6864	SEOA2756	SEOA6026a	SEOA8381a	SEOB1297	seob4564
MIOA6632a	miob0831	miob6557	ncrc8933	SEOA2804	SEOA6089a	SEOA8382a	SEOB1476	seob4598
MIOA6672a	miob0880	miob6565	ncrc9178	SEOA2848	SEOA6097a	SEOA8394a	SEOB1615	seob4634
MIOA6744a	miob0980	miob6596	ncrc9313	SEOA3098a	SEOA6101a	SEOA8462	SEOB1627	seob4661
MIOA6867a	miob0997	miob6650	ncrc9743	SEOA3165	SEOA6252	SEOA8590	SEOB1642	seob4694
MIOA6934a	miob1010	miob6672	SEOA0018	SEOA3228	SEOA6330	SEOA8603	SEOB1681	seob4720
MIOA7067a	miob1065	miob6775	SEOA0019	SEOA3348a	SEOA6381	SEOA8644	SEOB1691	seob4730
MIOA7125a	miob1103	miob6845	SEOA0025	SEOA3363a	SEOA6468a	SEOA8657	SEOB1708	seob4772
MIOA7153a	miob1168	miob6918	SEOA0035	SEOA3388a	SEOA6548a	SEOA8698	SEOB1712	seob4839
MIOA7162a	miob1227	miob6985	seoa0097m	SEOA3468a	SEOA6561a	SEOA8706	SEOB1727	seob4852
MIOA7192a	miob1258	miob7022	SEOA0143	SEOA3492a	SEOA6585a	SEOA8739	SEOB1768	seob4931
MIOA7224a	miob1310	ncr1668	SEOA0291	SEOA3513a	SEOA6631a	SEOA8784	SEOB1780	seob4933
MIOA7243a	miob1716	ncr1917	SEOA0294	SEOA3616a	SEOA6707	SEOA8840	SEOB1827	seob4962
MIOA7256a	miob1751	ncr3076	SEOA0408	SEOA3722a	seoa6765	SEOA8904	SEOB1887	seob4985
MIOA7296	miob1792	ncr5017	SEOA0428	SEOA3765a	seoa6792	SEOA8907	SEOB1929	seob5011
MIOA7407a	miob1824	ncr5233	SEOA0431	seoa3899n	SEOA6877	SEOA8954	SEOB1945	seob5158
MIOA7414a	miob1846	ncr5699	SEOA0454	SEOA4086	SEOA6902	SEOA8966	SEOB2049	seob5221
MIOA7447a	miob1887	ncr5919	SEOA0802	SEOA4094	seoa6957	SEOA9013	SEOB2065	seob5340
MIOA7527a	MIOB2232	ncr6650	SEOA0825	SEOA4095	seoa6992	SEOA9185	SEOB2102	seob5374
MIOA7543a	MIOB2306	ncr7006	SEOA0859	SEOA4208a	seoa6994	SEOA9219	SEOB2118	seob5393
mioa7640a	MIOB2309	ncr7244	SEOA0868	SEOA4302a	seoa6995	SEOA9401	SEOB2178	seob5444
mioa7815a	miob2411	ncr7454	SEOA0924	SEOA4350a	seoa7009	SEOA9432	SEOB2180	seob5534
MIOA7994a	miob2455	ncr7749	SEOA0929n	SEOA4378a	seoa7041	SEOA9433	SEOB2189	seob5613
MIOA7997a	miob2522	ncr8684	SEOA1001	SEOA4379a	SEOA7117a	SEOA9486	seob2543	seob5653
MIOA8331	MIOB2673	ncr8701	SEOA1013n	SEOA4714a	SEOA7170a	SEOA9492	seob2568	seob5666
MIOA8333	miob3063	ncr9925	SEOA1057a	SEOA4723a	SEOA7180a	SEOA9510	seob2593	seob5695
MIOA8376	miob3085	ncrb0585	SEOA1113a	SEOA4728a	SEOA7264a	SEOA9586	seob2624	seob5708
MIOA8446	miob3170	ncrb0754	SEOA1131a	SEOA4751a	SEOA7290a	SEOA9617	SEOB2690	seob5723
MIOA8466	miob3210	ncrb2341	SEOA1139a	SEOA4765a	SEOA7293a	SEOA9628	SEOB2808	seob5858
MIOA8543	miob3325	ncrb2581	SEOA1328	SEOA4805a	SEOA7325a	SEOA9716	SEOB2989	seob5902
MIOA8558	miob3466	ncrb2853	SEOA1332	SEOA4819a	SEOA7333a	SEOA9834	SEOB3042	seob5977
MIOA8651	miob3608	ncrb3086	SEOA1383	seoa4894a	SEOA7364a	SEOA9905	SEOB3099	seob6037
MIOA8776	miob3652	ncrb3384	SEOA1461a	seoa4986a	SEOA7418a	SEOA9946	SEOB3134	seob6075
MIOA8853	miob3770	ncrb3799	SEOA1505	SEOA5025a	SEOA7429a	SEOB0050	SEOB3206	seob6090
MIOA8887	miob3812	ncrb4570	SEOA1554	SEOA5086a	SEOA7497a	SEOB0056	SEOB3227	seob6111
MIOA8960	miob3901	ncrb4943	SEOA1602a	SEOA5107a	SEOA7515a	SEOB0057	seob3267n	seob6149
MIOA9012	miob4149	ncrb5396	SEOA1609a	SEOA5143a	SEOA7532a	SEOB0115	SEOB3319	seob6244
MIOA9032	miob4177	ncrb5681	SEOA1681a	SEOA5244a	SEOA7558a	SEOB0213	SEOB3351	seob6364
MIOA9084	miob4336	ncrb5883	SEOA1837a	SEOA5290a	SEOA7562a	SEOB0233	SEOB3476	seob6495
MIOA9143	miob4439	ncrb5949	SEOA1890n	SEOA5380	SEOA7588a	SEOB0255	SEOB3541	seob6554
mioa9464	miob4459	ncrb6596	SEOA1949	SEOA5390	seoa7734a	SEOB0260	SEOB3571	seob6579
mioa9592	miob4516	ncrb7373	SEOA1961a	SEOA5428	SEOA7894a	SEOB0273	SEOB3575	seob6589
mioa9669	miob4550	ncrc1093	SEOA1981a	SEOA5443	SEOA7900a	SEOB0357	seob3665	seob6590
mioa9676	miob4652	ncrc1909	SEOA1990	SEOA5458	SEOA7947a	SEOB0381	seob3679	seob6592
mioa9684	miob4890	ncrc2017	SEOA2074n	SEOA5500a	SEOA7949a	SEOB0485	seob3690	seob6597
mioa9771	miob5111	ncrc2423	SEOA2075n	SEOA5512a	seoa7985	SEOB0520	seob3855	seob6614
mioa9796	miob5652	ncrc2620	SEOA2080n	SEOA5513a	seoa8048	SEOB0574	seob3958	seob6699
mioa9946	miob5655	ncrc2662	SEOA2094	SEOA5581a	seoa8059	SEOB0618	seob3965	seob6789
miob0025	miob5705	ncrc2872	SEOA2102n	SEOA5585a	seoa8078	SEOB0875a	seob4062	seob6794
miob0108	miob5739	ncrc3127	SEOA2171	SEOA5674a	seoa8141	SEOB1019	seob4268	seob6802
miob0195	miob5819	ncrc4787	SEOA2220a	SEOA5704a	seoa8160	seob1055	seob4304	seob6846
miob0241	miob5864	ncrc5083	SEOA2268a	SEOA5724a	SEOA8201a	SEOB1072	seob4423	seob7182
miob0272n	miob5909	ncrc5496	SEOA2350a	SEOA5840	SEOA8233	SEOB1148	seob4457	seob7228



Figure 6A – Continued

seob7292	seob7715	seob8317	SOA0147	SOA0262	SOA0331	SOA0450	SOA0527	SOA0651
seob7333	seob7745	SOA0046	soa0204n	SOA0263	SOA0334	SOA0464	SOA0532	SOA0662
seob7398	seob7873	SOA0064	SOA0229	SOA0289	SOA0354	SOA0491	SOA0549	SOA0715
seob7412	seob7962	SOA0107	SOA0233	SOA0304	SOA0372	SOA0495	SOA0575	
seob7441	seob8250	SOA0117	SOA0239	SOA0319	SOA0381	SOA0518	SOA0580	
seob7632	seob8284	SOA0138	SOA0242	SOA0328	SOA0436	SOA0526	SOA0598	

## 4. decorin (DCN) NM\_001920.1 574

ncrc2471	MIOA1029	MIOA4012a	MIOA7050a	miob0775	miob4289	ncr3658	ncrb0316	ncrb8627
ncrc2332	MIOA1083	MIOA4033a	MIOA7175a	miob0979	miob4310	ncr3720	ncrb0761	ncrc0009
ncrc2494	mioa1111m	MIOA4055a	MIOA7301	miob0981	miob4332	ncr3829	ncrb0842	ncrc0099
ncrc2308	mioa1119m	MIOA4073a	MIOA7318	miob0988	miob4341	ncr3990	ncrb0877	ncrc0354
ncrc2460	MIOA1164	MIOA4174	MIOA7444a	miob1017	miob4430	ncr4051	ncrb1125	ncrc0360
ncrc4097	MIOA1223m	MIOA4225	MIOA7456a	miob1036	miob4456	ncr4125	ncrb1459	ncrc0563
ncrc4216	MIOA1227	MIOA4284	MIOA7487a	miob1078	miob4578	ncr4794	ncrb1617	ncrc0659
ncrc4690	MIOA1284	MIOA4333a	MIOA7632a	miob1128	miob4621	ncr4805	ncrb1986	ncrc0785
ncrc4695	MIOA1333a	MIOA4340a	mioa7758a	miob1160	miob4641	ncr4863	ncrb2115	ncrc1030
ncrc5323	MIOA1475	MIOA4356a	mioa7767a	miob1197	miob4856	ncr4965	ncrb2251	ncrc1055
ncrc5437	MIOA1487	MIOA4393	mioa7861	miob1299	miob4936	ncr5120	ncrb2258	ncrc1131
ncrc5820	MIOA1540	MIOA4400	mioa7869	miob1380	miob5032	ncr5630	ncrb2362	ncrc1163
ncrc6289	MIOA1575	MIOA4415	MIOA8108	MIOB1504	miob5120	ncr5861	ncrb2868	ncrc1198
ncrc5913	MIOA1615a	MIOA4488a	MIOA8110	miob1537n	miob5410	ncr6003	ncrb3924	ncrc1363
ncrc5987	MIOA1846a	MIOA4520a	MIOA8230	miob1834	miob5418	ncr6269	ncrb3941	ncrc1415
BFCW0415	MIOA1983a	MIOA4536a	MIOA8236	miob1840	miob5741	ncr6272	ncrb4037	ncrc1628
FCR1431	MIOA1989	MIOA4544a	mioa8296n	miob1916	miob5808	ncr6425	ncrb4093	ncrc1647
FCR3727	MIOA2018	MIOA4581a	MIOA8347	miob1920	miob6068	ncr6651	ncrb4190	ncrc1967
FCR4086	mioa2047m	MIOA4603a	MIOA8710	miob1959	miob6141	ncr6921	ncrb4539	ncrc2119
FCR5247	MIOA2089	MIOA4624a	MIOA8786	MIOB2113	miob6345	ncr6983	ncrb4756	ncrc2144
FCR5863	MIOA2113	MIOA4740	MIOA8800	MIOB2159	miob6362	ncr7027	ncrb4805	ncrc2151
FCR6461	MIOA2217a	MIOA5000a	MIOA8947	MIOB2310	miob6366	ncr7033	ncrb4918	ncrc2734
FCR6725	MIOA2358a	MIOA5035a	MIOA9005	miob2409	miob6540	ncr7119	ncrb5016	ncrc2848
FCR7502	MIOA2420a	MIOA5102a	MIOA9015	MIOB2551	miob6620	ncr7131	ncrb5046	ncrc2891
FCR7511	MIOA2435a	MIOA5158a	mioa9291	MIOB2609	miob6657	ncr7250	ncrb5128	ncrc2956
fcrb0585	MIOA2465a	MIOA5181a	mioa9347	MIOB2682	miob6801	ncr7409	ncrb5228	ncrc3083
fcrb1768	MIOA2549a	MIOA5218a	mioa9365	miob3020	miob6958	ncr7568	ncrb5296	ncrc3782
hfc0299	MIOA2754a	MIOA5371a	mioa9445	miob3080	miob6964	ncr7936	ncrb5323	ncrc3911
hfc6553	MIOA2930a	MIOA5474a	mioa9551	miob3117	ncr0081	ncr8005	ncrb5477	ncrc5036
MIOA0057a	MIOA3014a	MIOA5510a	mioa9558	miob3146	ncr0157	ncr8083	ncrb5650	ncrc5289
MIOA0058a	MIOA3096a	MIOA5545a	mioa9677	miob3265	ncr0239	ncr8287	ncrb5689	ncrc5713
MIOA0087a	MIOA3233a	MIOA5552a	mioa9695	miob3326	ncr0343	ncr8392	ncrb6121	ncrc5781
MIOA0284	MIOA3419a	MIOA5645a	mioa9847	miob3349	ncr0598	ncr8519	ncrb6239	ncrc6239
MIOA0375a	MIOA3464a	MIOA5654	mioa9890	miob3389	ncr1139	ncr8898	ncrb6574	ncrc6790
MIOA0526	MIOA3518a	MIOA5837a	mioa9905	miob3462	ncr1295	ncr9035	ncrb6736	ncrc6843
MIOA0593a	MIOA3545a	MIOA5997a	mioa9950	miob3553	ncr1315	ncr9349	ncrb6737	ncrc6915
MIOA0652	MIOA3552a	MIOA6114a	mioa9953	miob3629	ncr1532	ncr9360	ncrb6763	ncrc6985
MIOA0742	MIOA3591a	MIOA6134a	miob0019n	miob3800	ncr1709	ncr9368	ncrb6768	ncrc9057
MIOA0773	MIOA3626a	MIOA6314a	miob0129	miob3813	ncr1763	ncr9388	ncrb6825	ncrc9201
MIOA0808	MIOA3628a	MIOA6521a	miob0156	miob3820	ncr1767	ncr9398	ncrb6938	ncrc9369
MIOA0821	MIOA3711a	MIOA6684a	miob0181	miob3824	ncr1792	ncr9433	ncrb7428	ncrc9548
MIOA0839a	MIOA3716a	MIOA6687a	MIOB0331	miob3854	ncr1869	ncr9556	ncrb7633	ncrc9694
MIOA0844a	MIOA3763	MIOA6732a	miob0434	miob3880	ncr2070	ncr9799	ncrb7663	ncrc9763
MIOA0904a	MIOA3777	MIOA6818a	miob0454	miob3886	ncr2094	ncr9850	ncrb7978	ncrc9865
MIOA0927a	MIOA3849	MIOA6855a	MIOB0556	miob4043	ncr3030	ncrb0116	ncrb8339	SEOA0448
MIOA0946	MIOA3850	MIOA6899a	miob0678	miob4167	ncr3356	ncrb0216	ncrb8351	SEOA0458n
MIOA0990n	MIOA3866	MIOA7031a	miob0725	miob4252	ncr3502	ncrb0260	ncrb8525	SEOA0547A

Figure 6A – Continued

SEOA0876	SEOA2062	SEOA4449a	SEOA6391	SEOA9068	SEOB1797	SEOB3470	seob4970	seob7020
SEOA0938n	SEOA2113n	SEOA4581	SEOA6531a	SEOA9132	SEOB1826	SEOB3511	seob5176	seob7107
SEOA0952	SEOA2114	SEOA4612a	seoa6803	SEOA9675	SEOB1902	seob3603	seob5253	seob7277
SEOA1048a	SEOA2289a	SEOA4669a	SEOA6927	SEOA9769	SEOB1966	seob3738	seob5328	seob8154
SEOA1112a	SEOA2522	SEOA4707a	SEOA7132a	SEOA9891	SEOB1994	seob4021	seob5352	seob8209
SEOA1258A	SEOA2568	SEOA4794a	SEOA7260a	SEOB0015	SEOB2043	seob4049	seob5744	seob8225
SEOA1260A	SEOA2720	SEOA4836a	SEOA7468a	SEOB0374	SEOB2110	seob4154	seob5755	seob8264
SEOA1371	SEOA3001a	SEOA5296a	SEOA7575a	SEOB0434	SEOB2159	seob4243	seob5895	SOA0132
SEOA1395	SEOA3288	SEOA5300a	SEOA7627a	SEOB0437	SEOB2737	seob4272	seob6099	SOA0163
SEOA1695a	SEOA3294	SEOA5386	seoa7991	SEOB0607	SEOB2770	seob4366	seob6175	SOA0330
SEOA1696a	SEOA3329a	SEOA5491a	seoa8007	SEOB0611	SEOB2809	seob4411	seob6213	SOA0332
SEOA1792a	SEOA3551a	SEOA5539a	SEOA8166a	SEOB0657a	SEOB3112	seob4444	seob6405	SOA0419
SEOA1891	SEOA3572a	SEOA5882	SEOA8211	SEOB0712a	SEOB3127	seob4491	seob6607	SOA0421
seoa1928n	SEOA3718a	SEOA5885	SEOA8220	SEOB0933	SEOB3397	seob4508	seob6648	SOA0444
SEOA1988a	SEOA3739a	SEOA5957	SEOA8367a	SEOB1246	SEOB3403	seob4594	seob6756	SOA0634
SEOA2001	SEOA4078	SEOA6023a	SEOA8601	SEOB1453	SEOB3426	seob4707	seob6763	
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## 5. collagen type III alpha 1 (COL3A1)X06700| 563

ncrc3869	fcrb2526	MIOA1755	mioa9726	miob5994	ncrb0075	ncrc4942	SEOA1350	SEOA2739
ncrc3938	fcrb2571	MIOA2027	mioa9732	miob6047	ncrb0396	ncrc5253	SEOA1351	seoa2776m
ncrc4044	hfcr0322	MIOA2194a	miob0023	miob6404	ncrb0451	ncrc5999	SEOA1411a	SEOA2794
BFC50050	hfcr0937	MIOA2241a	miob0048	miob6446	ncrb0807	ncrc6063	SEOA1416a	SEOA2828
BFC50241	hfcr0942	MIOA2390a	miob0163	miob6555	ncrb0881	ncrc6203	SEOA1424a	SEOA2856
CR0140	hfcr1380	MIOA2507a	miob0346	miob6738	ncrb1302	ncrc6997	SEOA1444a	SEOA2940a
CR0477	hfcr1403	MIOA2727a	miob0428	miob6819	ncrb1377	ncrc9252	SEOA1492n	SEOA2945a
CR0550	hfcr1700	MIOA2850a	miob0707	miob7017	ncrb2038	ncrc9669	SEOA1590a	SEOA2946a
FCR0036n	hfcr1766	MIOA2872a	miob1095	ncr0369	ncrb2636	ncrc9866	SEOA1703a	SEOA3019a
FCR0230	hfcr2556	MIOA3382a	miob1369	ncr0947	ncrb3087	ncrc9955	SEOA1833a	SEOA3111a
FCR0247	hfcr3658	MIOA3434a	MIOB1566	ncr1246	ncrb3377	SEOA0042	SEOA1869a	SEOA3134a
FCR0292	hfcr3748	MIOA3526a	miob1723	ncr1302	ncrb3408	SEOA0075n	SEOA1894	seoa3168mn
FCR1146	hfcr4677	MIOA3935a	miob1765	ncr1590	ncrb3890	SEOA0154	SEOA1916n	SEOA3198
FCR1210	hfcr5396	MIOA4011a	miob1781	ncr1637	ncrb4532	SEOA0283	SEOA1946	SEOA3200
FCR1457	hfcr6514	MIOA4306a	miob1791	ncr1726	ncrb4576	SEOA0309	SEOA2016	SEOA3264
FCR1477	hfcr6773	MIOA4945a	miob1960	ncr2612	ncrb5116	SEOA0328	seoa2077n	SEOA3319a
FCR1972	hfcr9154	MIOA5046a	MIOB2090	ncr3239	ncrb5304	SEOA0335	seoa2123m	SEOA3340a
FCR2683	hfcr9185	MIOA5143a	miob2391	ncr3292	ncrb5640	seoa0342m	SEOA2170	SEOA3349a
FCR3158	hfcr9567	MIOA5534a	miob2504	ncr3688	ncrb5831	SEOA0505	SEOA2199a	SEOA3425a
FCR3171	hfcr9599	MIOA5844a	miob2540	ncr4128	ncrb6214	SEOA0506	SEOA2205a	SEOA3430a
FCR4051	hfcr9842	MIOA6168a	MIOB2674	ncr4615	ncrb6359	SEOA0580	SEOA2227a	SEOA3546a
FCR4117	MIOA0103	MIOA6222a	MIOB2746	ncr5171	ncrb6457	SEOA0722a	SEOA2258a	SEOA3559a
FCR4280	MIOA0178	mioa6246a	miob3045	ncr5846	ncrb6732	SEOA0789	SEOA2273a	SEOA3643a
FCR5090	MIOA0331	MIOA7341a	miob3101	ncr6854	ncrb6890	SEOA0814	SEOA2284a	SEOA3654a
FCR5942	MIOA0368a	MIOA7416a	miob3613	ncr6880	ncrb7367	SEOA0877	SEOA2390a	SEOA3678a
FCR6219	MIOA0372a	MIOA7488a	miob3739	ncr7395	ncrb7578	SEOA0908	SEOA2462a	SEOA3685a
FCR7282	MIOA0392a	MIOA7610a	miob3855	ncr7452	ncrb7912	SEOA0943	SEOA2476	SEOA3686a
fcrb0298	MIOA0464	mioa7891	miob4016	ncr7688	ncrc0610	SEOA0946	SEOA2532	SEOA3695a
fcrb0305	MIOA0500	MIOA8305	miob4087	ncr8154	ncrc1786	SEOA0984	SEOA2548	SEOA3702a
fcrb0408	MIOA0598a	MIOA8337	miob4403	ncr8249	ncrc1887	seoa1014m	SEOA2557	SEOA3759a
fcrb0434	MIOA0722	MIOA8405	miob4446	ncr8556	ncrc1937	SEOA1024	SEOA2588	SEOA3774a
fcrb1303	MIOA0846a	MIOA8618	miob4512	ncr8685	ncrc2129	SEOA1094a	SEOA2615	SEOA3879
fcrb1486	MIOA0982	MIOA8968	miob4870	ncr8992	ncrc3003	SEOA1107a	SEOA2645	SEOA3900
fcrb1589	MIOA1000	MIOA9119	miob5740	ncr9211	ncrc3034	SEOA1315	SEOA2649	SEOA3948a
fcrb2097	MIOA1453	mioa9230	miob5874	ncr9299	ncrc4356	SEOA1321	seoa2688m	SEOA4038a
fcrb2505	MIOA1722a	mioa9567	miob5890	ncr9764	ncrc4799	SEOA1330	SEOA2712	SEOA4052a

Figure 6A – Continued

SEO44072	SEO45485a	SEO46653a	SEO48189a	SEOB0269	SEOB1838	SEOB3359	seob5177	seob6453
SEO44115a	SEO45515a	SEO46699a	SEO48241	SEOB0312	SEOB1873	SEOB3423	seob5184	seob6575
SEO44199a	SEO45722a	SEO46727	SEO48307a	SEOB0314	SEOB1897	SEOB3457	seob5198	seob6611
SEO44205a	SEO45732a	SEO46735	SEO48309a	seob0331n	SEOB2173	seob3676	seob5231	seob6694
SEO44253a	SEO45737a	SEO46737	SEO48315a	SEOB0431	SEOB2206	seob3688	seob5417	seob6745
SEO44263a	SEO45745a	seoa6769	SEO48554	SEOB0440	SEOB2246	seob4012	seob5456	seob6769
SEO44305a	SEO45756a	seoa6798	SEO48599	SEOB0577	SEOB2270	seob4051	seob5550	seob6792
SEO44341a	SEO45808	seoa6812	SEO48637	SEOB0671a	SEOB2293	seob4074	seob5565	seob6873
SEO44342a	SEO45821	SEO46893	SEO48681	SEOB0726	seob2314	seob4083	seob5600	seob7081
SEO44450a	SEO45878	seoa6952	SEO48830	SEOB0835a	seob2587	seob4096	seob5620	seob7163
SEO44542	SEO45883	seoa6987	SEO48964	SEOB0904a	seob2599	seob4153	seob5663	seob7254
SEO44573	SEO45919	seoa7027	SEO48992	SEOB0959	seob2614	seob4226	seob5752	seob7336
SEO44578	SEO45920	SEO47237a	SEO49311	SEOB1073	seob2625	seob4242	seob5766	seob7407
SEO44690a	SEO45966	SEO47280a	SEO49315	SEOB1077	SEOB2635	seob4503	seob5845	seob7434
SEO44744a	SEO45989a	SEO47285a	SEO49371	SEOB1253	SEOB2683	seob4506	seob5871	seob7447
SEO44759a	SEO46021a	SEO47319a	SEO49420	SEOB1327	SEOB2705	seob4526	seob5990	seob7482
seoa4909a	SEO46042a	SEO47520a	SEO49451	SEOB1349	SEOB2711	seob4622	seob6029	seob7568
seoa4981a	SEO46063a	SEO47569a	SEO49534	SEOB1398	SEOB2751	seob4648	seob6057	seob7604
SEO45004a	SEO46073a	SEO47600a	SEO49557	SEOB1434	SEOB2921	seob4719	seob6091	seob7703
SEO45037a	SEO46139a	SEO47613a	SEO49576	SEOB1437	SEOB2999	seob4785	seob6147	seob8022
SEO45063a	SEO46148a	SEO47638a	SEO49601	SEOB1499	SEOB3059	seob4797	seob6243	seob8042
SEO45135a	SEO46151	seoa7679a	SEO49629	SEOB1514	SEOB3078	seob4851	seob6262	seob8326
SEO45355	SEO46171a	seoa7750a	SEO49826	SEOB1525	SEOB3104	seob4986	seob6289	seob8343
SEO45381	SEO46212a	seoa7820a	SEO49915	SEOB1562	SEOB3190	seob4995	seob6290	
SEO45385	SEO46272	SEO47950a	SEOB0105	SEOB1597	SEOB3238	seob5065	seob6321	
SEO45401	SEO46278	seoa7974	SEOB0150	SEOB1630	SEOB3257	seob5112	seob6358	
SEO45408	SEO4646a	seoa8118	SEOB0256	SEOB1742	SEOB3323	seob5172	seob6403	

## 6. beta-2 microglobulin gene (B2M) gb|AF072097.1

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ncrc3559	MIOA0966	MIOA3153a	MIOA4817a	MIOA7178a	MIOA8664	miob1277	miob4242	miob6939
ncrc3507	MIOA1001	MIOA3179a	MIOA4842a	MIOA7208a	MIOA8741	miob1307	miob4266	miob6976
ncrc3633	MIOA1047	MIOA3187a	MIOA4929a	MIOA7267a	MIOA8976	miob1391	miob4270	miob7001
ncrc4414	MIOA1050	MIOA3212a	MIOA4935a	MIOA7298	MIOA9070	MIOB1509	miob4617	ncr0733
ncrc4612	MIOA1235	MIOA3213a	MIOA4998a	MIOA7307	MIOA9081	miob1808	miob4624	ncr0956
FCR1909	MIOA1332a	MIOA3410a	MIOA5034a	MIOA7390a	MIOA9113	miob1940	miob4630	ncr1361
FCR5317	MIOA1336a	MIOA3447a	MIOA5047a	MIOA7478a	MIOA9151	MIOB2157	miob4643	ncr1398
FCR5378	MIOA1552	MIOA3583a	MIOA5210a	MIOA7490a	MIOA9163	MIOB2244	miob4690	ncr1527
fcrb1163	MIOA1563m	MIOA3663a	MIOA5226a	MIOA7514a	MIOA9167	MIOB2300	miob5049	ncr1685
hfc0959	MIOA1577	MIOA3884a	MIOA5367a	MIOA7523a	mioa9252	miob2368	miob5082	ncr1694
hfc2926	MIOA1613a	MIOA4028a	MIOA5525a	MIOA7570a	mioa9632	miob2502	miob5100	ncr1744
MIOA0063a	MIOA1904a	MIOA4050a	MIOA5632a	MIOA7574a	mioa9704	MIOB2623	miob5785	ncr2205
MIOA0077a	MIOA1909a	MIOA4053a	MIOA5649	mioa7917	mioa9871	MIOB2739	miob5815	ncr2228
MIOA0141	MIOA2110	MIOA4162	MIOA5689	mioa7922	mioa9920	MIOB2872	miob5952	ncr2513
MIOA0146	mioa2133m	MIOA4202	MIOA5766a	MIOA8063a	mioa9971	miob2878	miob5956	ncr2588
MIOA0179	MIOA2141	MIOA4257	MIOA5899a	MIOA8188	miob0157	miob2935	miob5975	ncr3312
MIOA0231a	MIOA2175a	MIOA4289a	MIOA6038	MIOA8206	miob0165	miob3092	miob5977	ncr3949
MIOA0242a	MIOA2227a	MIOA4293a	MIOA6106a	MIOA8227	miob0377	miob3225	miob6007	ncr4325
MIOA0338	MIOA2244a	MIOA4353a	MIOA6185a	MIOA8349	miob0419	miob3244	miob6125	ncr4421
MIOA0387a	MIOA2270a	MIOA4515a	MIOA6191a	MIOA8366	miob0451	miob3281	miob6126	ncr4519
mioa0463m	MIOA2371a	MIOA4610a	MIOA6651a	MIOA8368	MIOB0538	miob3387	miob6204	ncr4617
MIOA0471	MIOA2553a	MIOA4679	MIOA6668a	MIOA8409	miob0547n	miob3641	miob6312	ncr4821
MIOA0476	MIOA2839a	MIOA4680	MIOA6845a	MIOA8553	miob0770	miob3672	miob6696	ncr4939
MIOA0532	MIOA2927a	MIOA4722	MIOA6923a	MIOA8591	miob1159	miob3913	miob6817	ncr5189
MIOA0537	MIOA2990a	MIOA4745	MIOA6987a	MIOA8595	miob1200	miob3943	miob6833	ncr5819
MIOA0696	MIOA3023a	MIOA4806a	MIOA7127a	MIOA8625	miob1270	miob4225	miob6837	ncr6044

Figure 6A – Continued

ncr6760	ncrb3597	ncrc9588	SEOA2191a	SEOA4770a	SEOA8972	SEOB0894a	seob3985	seob6791
ncr6837	ncrb3919	ncrc9892	SEOA2193a	SEOA5029a	SEOA8977	SEOB0953	seob4089	seob6803
ncr7016	ncrb4213	seoa0265m	SEOA2274a	SEOA5304a	SEOA9040	SEOB0990	seob4097	seob6847
ncr7764	ncrb4482	SEOA0286	SEOA2387a	SEOA5313a	SEOA9118	SEOB1168	seob4285	seob6860
ncr7901	ncrb4799	SEOA0338	SEOA2437a	SEOA5399	SEOA9272	SEOB1202	seob4524	seob7202
ncr7946	ncrb5916	SEOA0395	SEOA2513	SEOA5529a	SEOA9320	SEOB1229	seob4657	seob7231
ncr8261	ncrb6138	SEOA0398	SEOA2614	SEOA5555a	SEOA9324	SEOB1406	seob4767	seob7414
ncr8335	ncrb6316	SEOA0456	SEOA2656	SEOA5604a	SEOA9387	SEOB1655	seob4808	seob7423
ncr8437	ncrb6328	SEOA0760	SEOA2657	SEOA5702a	SEOA9403	SEOB1855	seob4817	seob7564
ncr8663	ncrb6698	SEOA0778	SEOA2867	SEOA5754a	SEOA9667	SEOB1961	seob4977	seob7580
ncr8775	ncrb7515	SEOA0780	SEOA2882	SEOA5855	SEOA9702	SEOB1996	seob5023	seob7600
ncr9202	ncrb7800	SEOA0820	SEOA3035a	SEOA6007a	SEOA9884	SEOB2009	seob5109	seob7618
ncr9824	ncrb7821	SEOA0831	SEOA3103a	SEOA6300	SEOA9900	SEOB2151	seob5206	seob7653
ncr9947	ncrb8424	SEOA0857	SEOA3179n	SEOA6486a	SEOA9907	SEOB2214	seob5345	seob7769
ncr9980	ncrb8544	SEOA0916	SEOA3225	SEOA6492a	SEOB0011	SEOB2215	seob5359	seob7920
ncrb0281	ncrc0007	SEOA1063a	SEOA3256n	SEOA7076a	SEOB0049	SEOB2217	seob5392	seob8020
ncrb0531	ncrc0074	SEOA1407	SEOA3345a	SEOA7136a	SEOB0144	SEOB2688	seob5470	seob8094
ncrb0829	ncrc0150	SEOA1519	SEOA3671a	SEOA7332a	SEOB0149	SEOB2722	seob5505	seob8177
ncrb0854	ncrc0416	SEOA1679a	SEOA3775a	SEOA7606a	SEOB0264	SEOB3010	seob5665	seob8248
ncrb0861	ncrc0483	SEOA1794a	SEOA3797a	SEOA7641a	SEOB0318	SEOB3029	seob5683	seob8249
ncrb1668	ncrc1206	SEOA1853a	SEOA3957a	seoa7862a	SEOB0367	SEOB3209	seob5827	SOA0234
ncrb2071	ncrc1409	SEOA1861a	SEOA3978a	seoa8008	SEOB0387	SEOB3299	seob5861	SOA0612
ncrb2416	ncrc1536	SEOA1942	SEOA4109a	SEOA8378a	SEOB0408	SEOB3459	seob5983	soa0613n
ncrb2681	ncrc1777	SEOA1967a	SEOA4110a	SEOA8390a	SEOB0484	SEOB3489	seob6068	SOA0614
ncrb2850	ncrc2092	SEOA2039	SEOA4315a	SEOA8517	SEOB0529	SEOB3509	seob6173	
ncrb3080	ncrc3923	SEOA2046	SEOA4370a	SEOA8557	SEOB0530	SEOB3512	seob6334	
ncrb3205	ncrc6311	SEOA2059	SEOA4451a	SEOA8744	SEOB0622	SEOB3546	seob6424	
ncrb3519	ncrc6488	SEOA2085	SEOA4497	SEOA8873	SEOB0705a	seob3674	seob6547	
ncrb3536	ncrc9180	SEOA2110n	SEOA4585	SEOA8955	SEOB0870a	seob3944	seob6603	

## 7. nproteoglycan 4 (=megakaryocyte stimulating factor) AAB09089.1

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BFC0347	MIOA0735	MIOA1825a	MIOA2983a	MIOA3964a	MIOA5932a	mioa7641a	MIOA8830	miob0403
BFCW0415	MIOA0794	MIOA1837a	MIOA2996a	MIOA3994a	MIOA5978a	mioa7644a	MIOA8850	miob0439
FCR0264	MIOA1013	MIOA2007	MIOA3048a	MIOA4043a	mioa5988a	mioa7653a	MIOA9004	miob0449
FCR1431	MIOA1014	MIOA2024	MIOA3106a	MIOA4085a	MIOA6126a	mioa7685a	MIOA9126	MIOB0469
FCR4086	mioa1034m	MIOA2155a	MIOA3152a	MIOA4145	MIOA6250a	mioa7846a	mioa9227	MIOB0572
FCR4931	MIOA1051	MIOA2176a	MIOA3173a	MIOA4398	MIOA6500a	MIOA7958a	mioa9375	miob0712
FCR5798	mioa1101m	MIOA2180a	MIOA3192a	MIOA4510a	MIOA6526a	MIOA7967a	mioa9416	miob0720
FCR6725	MIOA1106	MIOA2299a	MIOA3315a	MIOA4543a	MIOA6531a	MIOA8069	mioa9469	miob0735n
hfc6734	MIOA1167	MIOA2311a	MIOA3322a	MIOA4617a	MIOA6553a	MIOA8122	mioa9524	miob0752
hfc8016	MIOA1181	MIOA2315a	MIOA3326a	MIOA4629a	MIOA6563a	MIOA8163	mioa9527	miob0890
MIOA0031a	MIOA1190n	MIOA2418a	MIOA3346a	MIOA4684	MIOA6586a	MIOA8198	mioa9578	miob0913
MIOA0096a	MIOA1205	MIOA2491a	MIOA3362a	MIOA4699	MIOA6677a	MIOA8205	mioa9653	miob1119
MIOA0134	MIOA1208	MIOA2545a	MIOA3381a	MIOA4881a	MIOA6828a	MIOA8225	mioa9663	miob1158
MIOA0180	MIOA1211	MIOA2554a	MIOA3401a	MIOA4993a	MIOA6874a	MIOA8247	mioa9667	miob1196
MIOA0280	MIOA1225	MIOA2558a	MIOA3429a	MIOA5070a	MIOA6879a	MIOA8334	mioa9785	miob1242
MIOA0310	MIOA1237	MIOA2559a	MIOA3455a	MIOA5096a	MIOA6937a	MIOA8387	mioa9838	MIOB1490
mioa0350m	MIOA1244m	MIOA2634	MIOA3501a	MIOA5354a	MIOA6964a	MIOA8454	mioa9992	MIOB1497
MIOA0379a	MIOA1245	MIOA2711a	MIOA3580a	MIOA5489a	MIOA6986a	MIOA8592	miob0151	miob1696
MIOA0517	MIOA1316a	MIOA2757a	MIOA3596a	MIOA5497a	MIOA7068a	MIOA8624	miob0212	miob1735
MIOA0518	MIOA1317a	MIOA2809a	MIOA3698a	MIOA5597a	MIOA7273	MIOA8671	miob0214	miob1843
MIOA0519n	MIOA1390a	MIOA2863a	MIOA3813	MIOA5616a	MIOA7374a	MIOA8787	miob0243	miob1849
MIOA0688	MIOA1576	MIOA2943a	MIOA3882a	MIOA5634a	MIOA7402a	MIOA8822	miob0311	MIOB2109
MIOA0705	MIOA1760	MIOA2960a	MIOA3941a	MIOA5698	MIOA7532a	MIOA8823	MIOB0328	MIOB2114
MIOA0733	MIOA1817a	MIOA2976a	MIOA3948a	MIOA5791a	MIOA7572a	MIOA8827	miob0348	MIOB2125

Figure 6A – Continued

miob2408	miob4046	miob5635	ncr1623	ncr8219	ncrb5499	ncrc2016	ncrc6845	SEOA8661
miob2464	miob4079	miob5773	ncr1815	ncr8441	ncrb5569	ncrc2082	ncrc6906	SEOA8900
miob2509	miob4102	miob5837	ncr1911	ncr8635	ncrb5611	ncrc2286	ncrc8849	SEOA9418
miob2519	miob4109	miob5972	ncr2617	ncr8636	ncrb5859	ncrc2296	ncrc8888	SEOA9508
miob2523	miob4119	miob6145	ncr2982	ncr8648	ncrb5873	ncrc2348	ncrc9049	SEOA9682
miob2542	miob4156	miob6208	ncr3022	ncr8712	ncrb5966	ncrc2496	ncrc9112	SEOA9849
MIOB2584	miob4159	miob6292	ncr3023	ncr8735	ncrb5992	ncrc2725	ncrc9721	SEOB0608
MIOB2695	miob4208	miob6357	ncr3115	ncr8763	ncrb6260	ncrc3112	ncrc9917	SEOB0757
MIOB2818	miob4210	miob6522	ncr3224	ncr8974	ncrb6369	ncrc3148	ncrc9962	SEOB1162
miob2896	miob4324	miob6566	ncr3338	ncr9152	ncrb6471	ncrc3201	SEOA1486	SEOB1570
miob2986	miob4670	miob6579	ncr3445	ncr9389	ncrb6615	ncrc3369	SEOA1499	SEOB1689
miob3142	miob4672	miob6619	ncr3569	ncr9420	ncrb6636	ncrc3794	SEOA1682a	SEOB2025
miob3189	miob4700	miob6667	ncr3764	ncr9533	ncrb7118	ncrc3852	SEOA2259a	SEOB3051
miob3223	miob4710	miob6682	ncr4045	ncr9597	ncrb7797	ncrc3933	seoa2869m	SEOB3114
miob3233	miob4717	miob6799	ncr4090	ncr9607	ncrb7888	ncrc4005	SEOA3029a	SEOB3328
miob3245	miob4775	miob6890	ncr4364	ncr9658	ncrb8281	ncrc4007	SEOA3033a	seob3991
miob3444	miob4820	miob6924	ncr4625	ncr9852	ncrb8328	ncrc4122	SEOA3421a	seob4157
miob3494	miob4825	miob6935	ncr4792	ncr9945	ncrb8409	ncrc4424	SEOA4602a	seob4722
miob3644	miob4873	miob6998	ncr5223	ncrb0729	ncrb8814	ncrc4683	seoa4949a	seob4783
miob3660	miob4879	miob7005	ncr5482	ncrb1591	ncrc0268	ncrc4685	SEOA5367	seob5464
miob3682	miob4907	miob7014	ncr5506	ncrb2294	ncrc0639	ncrc4793	SEOA5474a	seob5842
miob3706	miob4935	ncr0036	ncr5576	ncrb2309	ncrc0753	ncrc4812	SEOA6061a	seob6085
miob3728	miob4965	ncr0535	ncr5660	ncrb2701	ncrc0965	ncrc4867	SEOA6322	seob6444
miob3748	miob5011	ncr0687	ncr6009	ncrb3063	ncrc1112	ncrc5280	SEOA6370	seob6626
miob3792	miob5112	ncr0969	ncr6063	ncrb3544	ncrc1292	ncrc5451	SEOA7282a	seob7266
miob3831	miob5129	ncr1177	ncr6091	ncrb3568	ncrc1371	ncrc5557	SEOA7611a	seob7362
miob3861	miob5424	ncr1283	ncr6278	ncrb3572	ncrc1563	ncrc5928	seoa8089	seob7935
miob3929	miob5428	ncr1567	ncr6301	ncrb3949	ncrc1744	ncrc6084	seoa8094	SOA0141
miob3951	miob5494	ncr1575	ncr6661	ncrb4063	ncrc1816	ncrc6456	seoa8095	soa0196n
miob4011	miob5613	ncr1608	ncr7589	ncrb4762	ncrc1919	ncrc6740	seoa8104	SOA0467

## 8. collagen type I alpha 2 (COL1A2) NM\_000089.1

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BFCN0005	FCR1113	FCR3592	FCR6930	fcrb1622	hfcf1408	hfcf8028	MIOA5600a	miob6304
BFCN0050	FCR1326	FCR3661	FCR7217	fcrb1744	hfcf1677	hfcf8369	MIOA5719	ncr0020
BFCN0062	FCR1339	FCR3845	fcf7404n	fcfb1805	hfcf1815	hfcf8464	MIOA5914a	ncr0667
BFCN0225	FCR1422	FCR3894	FCR7423	fcfb1805	hfcf1882	hfcf8632	MIOA6212a	ncr0910
BFCS0326	FCR1429	FCR3953	FCR7428	fcfb1986	hfcf1945	hfcf8679	MIOA6362a	ncr1512
BFCS0508	FCR1487	FCR3974	FCR7471	fcfb1999	hfcf2230	hfcf8727	MIOA6733a	ncr1602
BFCS0553n	FCR1504	FCR4059	FCR7498	fcfb2039	HFCR3215	hfcf8898	MIOA6930a	ncr2659
CR0093	FCR1845	FCR4072	fcfb0004	fcfb2104	hfcf3370	hfcf9315	MIOA7102a	ncr3360
CR0274	FCR1941	FCR4137	fcfb0032	fcfb2104	hfcf3591	hfcf9402	MIOA8090	ncr3373
CR0291	FCR2038	FCR4149	fcfb0042	fcfb2213	hfcf4157	hfcf9507	MIOA8159	ncr3671
CR0484	FCR2051	FCR4220	fcfb0261	fcfb2328	hfcf4195	hfcf9514	MIOA8159	ncr3999
CR0725	FCR2058	FCR4316	fcfb0429	fcfb2329	hfcf5014	hfcf9623	MIOA9048	ncr4094
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CR0992	FCR2275	FCR4983	fcfb0997	hfcf0181	hfcf6060	hfcf9897	mioa9864	ncr4355
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FCR0700	FCR3014	FCR6710	fcfb1429	hfcf0483	hfcf7048	MIOA1359a	miob3598	ncr5764
FCR0825	FCR3030	FCR6838	fcfb1546	hfcf0709	hfcf7394	MIOA1956a	miob4071	ncr6033
FCR1032	FCR3074	FCR6879	fcfb1574	hfcf0806	hfcf7419	MIOA3886a	miob4882	ncr6394
FCR1057	FCR3453	FCR6893	fcfb1622	hfcf1095	hfcf7496	MIOA5080a	miob6233	ncr7823

Figure 6A – Continued

ncr8039	ncrb6241	ncrc4436	SEOA1152a	SEOA4513	SEOA7221a	SEOB0660a	SEOB2674	seob5700
ncr8076	ncrb6708	ncrc4964	SEOA1292a	SEOA4563	SEOA7309a	SEOB0692a	SEOB2678	seob5738
ncr8095	ncrb6985	ncrc5000	SEOA1335	SEOA4605a	SEOA7512a	SEOB0728	SEOB2773	seob5747
ncr8318	ncrb7081	ncrc5233	SEOA1388	SEOA4610a	SEOA7560a	SEOB0900a	SEOB2801	seob5803
ncr8467	ncrb8040	ncrc5921	SEOA1414a	SEOA4623a	SEOA7636a	SEOB0968	SEOB2804	seob5917
ncr8477	ncrb8164	ncrc6137	SEOA1594a	SEOA4803a	SEOA7644a	SEOB1254	SEOB2805	seob6024
ncr9204	ncrb8251	ncrc6155	SEOA1764a	seoa4920a	seoa7715a	SEOB1263	SEOB3109	seob6138
ncrb0242	ncrb8764	ncrc6868	SEOA1879	SEOA5061a	seoa7887a	SEOB1291	SEOB3165	seob6419
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ncrb3619	ncrc1825	SEOA0059	SEOA2912a	SEOA5643a	SEOA9419	SEOB1936	seob4472	seob7531
ncrb4056	ncrc2063	SEOA0081	SEOA3070a	SEOA5953	SEOA9598	SEOB1951	seob4614	seob7623
ncrb4371	ncrc2590	SEOA0122	seoa3150m	SEOA5963	SEOA9799	SEOB2057	seob4615	seob7730
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ncrb4761	ncrc2926	SEOA0278n	SEOA3802a	SEOA6409	SEOB0070	SEOB2168	seob4810	seob8341
ncrb4778	ncrc3060	SEOA0314	SEOA3846	SEOA6455a	SEOB0136	SEOB2243	seob4963	SOA0077
ncrb4878	ncrc3199	SEOA0583	SEOA4278a	SEOA6520a	SEOB0165	SEOB2253	seob5013	SOA0077
ncrb5328	ncrc3643	SEOA0744	SEOA4371a	SEOA6611a	SEOB0335	seob2589	seob5079	SOA0308
ncrb5353	ncrc3759	SEOA0796	SEOA4412a	seoa6783	SEOB0378	seob2600	seob5313	SOA0310
ncrb5683	ncrc3765	SEOA0998	SEOA4507	SEOA7149a	SEOB0438	SEOB2651	seob5438	SOA0310
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## 9. mitochondrion, complete genome (=AF382012.1 haplotype M\*1 mitochondrion) "NC\_001807.2 443

FCR5088	hfc2559	hfc6312	hfc8504	MIOA2581a	mioa7919	miob1851	miob3479	miob6419
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fcrb0358	hfc2613	hfc6326	hfc8538	MIOA3483a	MIOA8953	miob1936	miob3501	ncr0011
fcrb0712	hfc2728	hfc6474	hfc8760	MIOA3710a	MIOA8953	miob1949	miob3669	ncr0013
fcrb1759	hfc2811	hfc6563	hfc8780	MIOA3787	MIOA8992	MIOB2147	miob3837	ncr0073
fcrb1759	hfc3044	hfc6595	hfc8860	MIOA4127	MIOA8992	MIOB2261	miob3920	ncr0313
fcrb2336	hfc3407	hfc6616	hfc9047	MIOA4148	miob0197	miob2400	miob3961	ncr0580
fcrb2404	hfc3410	hfc6736	hfc9073	MIOA4235	miob0236	miob2486	miob3962	ncr0626
fcrb2441	hfc3463	hfc6810	hfc9171	MIOA4366a	miob0267	miob2497	miob3984	ncr0729
fcrb2560	hfc3468	hfc6916	hfc9211	MIOA4790a	miob0268	miob2507	miob4030	ncr0826
fcrb2636	hfc3766	hfc6938	hfc9216	MIOA5008a	miob0273	miob2508	miob4073	ncr0872
fcrb2733	hfc5162	hfc6982	hfc9218	MIOA5479a	miob0310	miob2510	miob4195	ncr1256
fcrb2751	hfc5170	hfc6985	hfc9265	mioa5627a	MIOB0466	miob2520	miob4199	ncr1513
hfc0402	hfc5225	hfc7008	hfc9286	MIOA5714	miob0685	miob2534	miob4223	ncr1589
hfc0441	hfc5257	hfc7022	hfc9510	MIOA5895a	miob0835n	miob2539	miob4267	ncr1671
hfc0519	hfc5420	hfc7054	hfc9569	MIOA5958a	miob1012	MIOB2643	miob4419	ncr1841
hfc1738	hfc5658	hfc7423	hfc9677	MIOA6451a	miob1023	MIOB2842	miob4421	ncr1845
hfc1772	hfc5704	hfc7469	hfc9679	MIOA6550a	miob1023	MIOB2853	miob4437	ncr1886
hfc1822	hfc5720	hfc7605	MIOA0101	MIOA6794a	miob1041	miob2976	miob4465	ncr1906
hfc1917	hfc5803	hfc7668	MIOA0277	mioa7646a	miob1107	miob3032	miob5056	ncr2081
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hfc2022	hfc5973	hfc7796	MIOA1622a	mioa7763a	miob1335	miob3311	miob5701	ncr2152
hfc2022	hfc5996	hfc7820	MIOA1702a	mioa7839a	miob1388	miob3340	miob5820	ncr2152
hfc2052	hfc6057	hfc8206	MIOA2066	mioa7870	miob1440	miob3352	miob5820	ncr2252
hfc2306	hfc6253	hfc8234	MIOA2310a	mioa7873	MIOB1524	miob3434	miob5996	ncr2350
hfc2523	hfc6307	hfc8451	MIOA2355a	mioa7899	miob1719	miob3472	miob6289	ncr2380

Figure 6A – Continued

ncr2398	ncr4354	ncr6224	ncr7857	ncrb0017	SEOA2354a	SEOA8699	SEOB2778	seob6164
ncr2629	ncr4437	ncr6245	ncr7859	ncrb0024	SEOA3939	SEOA8757	SEOB2929	seob6193
ncr2911	ncr4529	ncr6252	ncr7885	ncrb0153	SEOA4230a	SEOA8773	SEOB2956	seob6894
ncr2937	ncr4605	ncr6277	ncr7908	ncrb1059	SEOA4231a	SEOA8818	SEOB3045	seob7161
ncr2953	ncr4623	ncr6325	ncr7957	ncrb1546	SEOA4428a	SEOA8924	SEOB3144	seob7173
ncr2972	ncr4749	ncr6330	ncr7989	ncrb1557	SEOA4476a	SEOA8939	SEOB3210	seob7588
ncr2977	ncr4780	ncr6331	ncr7999	ncrb1648	SEOA4784a	SEOA9103	SEOB3237	seob7603
ncr3003	ncr4858	ncr6360	ncr8008	ncrb2007	seoa4959a	SEOA9226	SEOB3256	seob8071
ncr3031	ncr5131	ncr6393	ncr8017	ncrb3140	SEOA5420	SEOA9230	SEOB3256	seob8080
ncr3066	ncr5160	ncr6412	ncr8059	ncrb3173	seoa6837	SEOA9765	SEOB3355	seob8176
ncr3072	ncr5173	ncr6548	ncr8198	ncrb3567	SEOA6928	SEOA9833	SEOB3355	seob8211
ncr3079	ncr5195	ncr6746	ncr8377	ncrb7491	seoa7010	SEOB0275	seob4418	seob8227
ncr3087	ncr5212	ncr6813	ncr8640	ncrb7669	SEOA7120a	SEOB0353	seob4827	seob8236
ncr3107	ncr5237	ncr6867	ncr8689	ncrb8120	seoa7705a	SEOB0533	seob4831	seob8237
ncr3196	ncr5312	ncr6891	ncr8785	ncrb8206	seoa7811a	SEOB0829a	seob4919	seob8238
ncr3250	ncr5515	ncr6945	ncr9040	ncrc0554	seoa7844a	SEOB1167	seob5457	seob8320
ncr3251	ncr5628	ncr6979	ncr9098	ncrc0741	seoa7863a	SEOB1234	seob5945	SOA0125
ncr3417	ncr5637	ncr7051	ncr9162	ncrc0750	SEOA8340a	SEOB1360	seob5969	
ncr3474	ncr5823	ncr7072	ncr9504	ncrc0796	SEOA8471	SEOB1392	seob5980	
ncr3479	ncr6047	ncr7162	ncr9700	ncrc0799	SEOA8483	SEOB1824	seob6021	
ncr3571	ncr6123	ncr7164	ncr9838	ncrc2568	SEOA8484	SEOB1933	seob6078	
ncr3668	ncr6128	ncr7373	ncr9862	SEOA0050	SEOA8498	SEOB2679	seob6081	
ncr3791	ncr6165	ncr7396	ncr9893	SEOA1512	SEOA8625	SEOB2760	seob6088	
ncr4348	ncr6200	ncr7841	ncr9897	SEOA1767a	SEOA8650	SEOB2774	seob6113	

## 10. collagen type II alpha 1 (COL2A1) J00116.1 360

ncrc6204	CR0276	FCR2687	FCR5059	FCR7476	hfc0481	hfc07034	ncr0109	ncr4512
ncrc6152	CR0323	FCR2763	FCR5167	FCR7683	hfc0575	hfc07073	ncr0243	ncr4631
ncrc6701	CR0358	FCR2869	FCR5362	FCR7692	hfc0684	hfc07518	ncr0244	ncr4762
ncrc7182	CR0429	FCR2980	fcr5387n	fcrb0027	hfc0738	hfc08044	ncr0628	ncr4857
ncrc3826	CR0442	FCR3068	FCR5422	fcrb0187	hfc1813	hfc08057	ncr0785	ncr5209
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ncrc5973	FCR0367	FCR3332	FCR5795	fcrb1514	hfc2859	hfc09196	ncr1536	ncr6061
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ncrc6901	FCR0822	FCR3702	FCR6269	fcrb1756	HFCR3164	MIOA1669a	ncr2384	ncr6396
BFCN0081	FCR1066	FCR3703	FCR6282	fcrb1761	HFCR3263	MIOA1950a	ncr2659	ncr6537
BFCN0225	FCR1326	FCR3831	FCR6420	fcrb1784	hfc3393	MIOA3989a	ncr2767	ncr7063
BFCN0268	FCR1339	FCR3928	FCR6425	fcrb1833	hfc4121	MIOA4357a	ncr2824	ncr7219
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BFCS0553n	FCR1448	FCR4043	FCR6670	fcrb2264	hfc4621	MIOA5099a	ncr3288	ncr7426
BFCW0062	FCR1487	FCR4203	FCR6697	fcrb2280	hfc5248	MIOA7451a	ncr3345	ncr7481
BFCW0238	FCR1556	FCR4271	FCR6723	fcrb2360	hfc5745	MIOA7608a	ncr3733	ncr7542
BFCW0341	FCR1763	FCR4397	FCR6888	fcrb2672	hfc5746	MIOA8813	ncr3739	ncr7772
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Figure 6A – Continued

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ncrb0066	ncrb1679	ncrb4744	ncrb7008	ncrb8583	ncrc1226	ncrc3271	ncrc9013	SEOB2054
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## 11. ribosomal DNA complete repeating unitU13369.1 357

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ncrc6529	hfcf6611	ncr1080	ncr3507	ncr7375	ncrb0514	ncrb3879	ncrb8080	ncrc4594
ncrc6547	hfcf7675	ncr1183	ncr3557	ncr7736	ncrb0548	ncrb4030	ncrb8121	ncrc5098
ncrc6555	hfcf9646	ncr1652	ncr3585	ncr7802	ncrb0619	ncrb4458	ncrb8176	ncrc5835
ncrc1667	mioa0787m	ncr1657	ncr3597	ncr7848	ncrb0689	ncrb4503	ncrb8327	ncrc6173
ncrc6502	MIOA0830	ncr1674	ncr3599	ncr8034	ncrb0748	ncrb4527	ncrb8557	ncrc6228
ncrc3715	MIOA3162a	ncr1863	ncr3775	ncr8077	ncrb0830	ncrb4566	ncrb8618	ncrc6979
ncrc3388	MIOA4223	ncr2009	ncr3853	ncr8157	ncrb0851	ncrb4704	ncrb8683	ncrc8910
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ncrc5096	miob2407	ncr2771	ncr5354	ncr9166	ncrb2281	ncrb6321	ncrc1572	SEOA3777a
ncrc5873	miob2471	ncr2803	ncr5402	ncr9463	ncrb2320	ncrb6387	ncrc1747	SEOA8474
ncrc5898	miob3151	ncr2833	ncr5417	ncr9507	ncrb2370	ncrb6555	ncrc1764	SEOA9624
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ncrc6248	miob3876	ncr2863	ncr5533	ncr9627	ncrb2763	ncrb6788	ncrc1849	SEOB1771
ncrc6270	miob4405	ncr2865	ncr5545	ncr9699	ncrb2773	ncrb6863	ncrc1951	SEOB2129
ncrc6338	miob6148	ncr2888	ncr5712	ncr9741	ncrb2818	ncrb6895	ncrc1969	SEOB3547
ncrc6914	miob6246	ncr2896	ncr5873	ncr9753	ncrb2842	ncrb7095	ncrc1981	seob3945
ncrc6943	miob6862	ncr2952	ncr5918	ncr9829	ncrb3031	ncrb7153	ncrc2055	seob4779
ncrc6983	miob6990	ncr3018	ncr5949	ncr9869	ncrb3160	ncrb7220	ncrc2208	seob5192
ncrc7036	ncr0049	ncr3024	ncr6048	ncr9921	ncrb3285	ncrb7233	ncrc2585	seob5330
fcr2707nn	ncr0055	ncr3028	ncr6176	ncr9950	ncrb3371	ncrb7235	ncrc2622	seob6327
fcrb0145	ncr0092	ncr3047	ncr6317	ncr9976	ncrb3390	ncrb7349	ncrc2747	seob6565
fcrb2291	ncr0105	ncr3106	ncr6384	ncrb0087	ncrb3520	ncrb7531	ncrc2835	seob7368
hfcf0497	ncr0108	ncr3242	ncr6424	ncrb0101	ncrb3550	ncrb7605	ncrc2972	
hfcf3546	ncr0449	ncr3264	ncr6788	ncrb0102	ncrb3551	ncrb7630	ncrc3098	
hfcf3923	ncr0484	ncr3295	ncr6901	ncrb0149	ncrb3646	ncrb7792	ncrc3198	



Figure 6A – Continued

## 12. elongation factor 1 alpha 1 (EEF1A1) NM\_001402.1

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ncrc3488	FCR1226	FCR7119	HFCR3250	hfc9501	miob5950	ncrb0677	SEOA2998a	SEOB0693a
ncrc3646	FCR1329	FCR7202	hfc3593	hfc9501	miob6220	ncrb1451	SEOA3048a	SEOB0796
ncrc2304	FCR1344	FCR7341	hfc3604	hfc9559	miob6427	ncrb2045	SEOA3338a	SEOB0958
ncrc2307	FCR1356	FCR7597	hfc3795	hfc9706	miob6971	ncrb2135	SEOA3450a	SEOB1160
ncrc3994	FCR1377	FCR7682	hfc3878	hfc9869	ncr0180	ncrb2809	SEOA3502a	SEOB1463
ncrc4141	FCR1454	fcrb0179	hfc3884	hfc9915	ncr0185	ncrb2809	SEOA3507a	SEOB1711
ncrc4476	FCR1621	fcrb0194	hfc3889	MIOA0211a	ncr0206	ncrb2834	SEOA3965a	SEOB1777
ncrc4593	FCR1940	fcrb0386	hfc4058	MIOA0398a	ncr0299	ncrb2836	SEOA4390a	SEOB1856
BFCN0027	FCR1948	fcrb0440	hfc5894	mioa0558a	ncr0300	ncrb3131	SEOA4758a	SEOB2111
BFCN0051	FCR2046	fcrb1219	hfc6022	MIOA0691	ncr0424	ncrb3389	SEOA5224a	SEOB2257
BFCS0034	FCR2166	fcrb1355	hfc6102	MIOA0703	ncr0590	ncrb5220	SEOA5466a	SEOB2264
BFCS0199	FCR2200	fcrb1458	hfc6104	MIOA0924a	ncr0611	ncrb6013	SEOA5782	SEOB2276
BFCS0335	FCR2267	fcrb1850	hfc6244	MIOA1526	ncr1797	ncrb6969	SEOA6116a	SEOB3302
BFCS0404	FCR2278	fcrb2004	hfc6407	MIOA1895a	ncr2467	ncrb7103	SEOA6336	seob3986
BFCS0469n	FCR2638	fcrb2346	hfc6542	MIOA2055	ncr2859	ncrb7780	SEOA6535a	seob4081
BFCS0500	FCR2848N	fcrb2436	hfc6560	MIOA2690a	ncr3040	ncrb7836	SEOA6713	seob4314
BFCW0210	FCR3514	fcrb2532	hfc6585	MIOA2951a	ncr3040	ncrb8500	SEOA7179a	seob4580
BFCW0390	FCR3892	hfc0030	hfc6588	MIOA2966a	ncr3075	ncrb8723	SEOA7194a	seob4662
BFCW0551n	FCR3950	hfc0059	hfc6659	MIOA3196a	ncr3128	ncrc0213	SEOA7224a	seob4813
BFCW0583	FCR4243	hfc0334	hfc6725	MIOA3507a	ncr3253	ncrc0259	SEOA7259a	seob4870
BFCW0607	FCR4274	hfc0378	hfc7078	MIOA3544a	ncr3286	ncrc0910	SEOA7372a	seob4903
CR0070	FCR4747	hfc0520	hfc7387	MIOA4500a	ncr3369	ncrc3315	SEOA7413a	seob5004
CR0088	FCR4814	hfc0544	hfc7648	MIOA4633a	ncr3452	ncrc8859	SEOA7441a	seob5541
CR0488	FCR5113	hfc0668	hfc7725	MIOA5753a	ncr3882	ncrc9210	SEOA7548a	seob5987
CR0715	FCR5342	hfc0830	hfc7725	MIOA6824a	ncr5471	ncrc9515	seoa8028	seob6329
CR0823	FCR5622	hfc0863	hfc7953	MIOA7554a	ncr5779	SEOA0366	SEOA8190a	seob6624
CR0922	FCR5777	hfc0893	hfc8001	MIOA8026a	ncr5818	SEOA0414n	SEOA8316a	seob6875
FCR0140	FCR5890	hfc1126	hfc8210	MIOA8167	ncr6758	SEOA0723a	SEOA8325a	seob7298
FCR0168	FCR5952	hfc1189	hfc8477	MIOA8251	ncr6859	SEOA1018	SEOA8634	seob7459
FCR0239	FCR6158	hfc1207	hfc8910	MIOA8300	ncr7827	SEOA1550	SEOA8833	seob7589
FCR0663	FCR6178	hfc1384	hfc9040	MIOA8566	ncr8020	SEOA1641a	SEOA9049	seob7954
FCR0670	FCR6295	hfc1409	hfc9068	MIOA8860	ncr8191	SEOA1651a	SEOA9149	seob8054
FCR0740	FCR6335	hfc1693	hfc9105	mioa9565	ncr8579	SEOA2213a	SEOA9431	seob8088
FCR0845	FCR6565	hfc2499	hfc9209	miob0264	ncr9022	SEOA2435a	SEOA9505	SOA0195
FCR0858	FCR6738	hfc2574	hfc9264	miob1031	ncr9066	SEOA2511	SEOA9759	SOA0207
FCR0870	FCR6778	hfc2596	hfc9368	MIOB2314	ncr9141	SEOA2644	SEOB0052	SOA0219
FCR1053	FCR6836	hfc2596	hfc9480	miob3429	ncr9343	SEOA2668	SEOB0080	SOA0619
FCR1212	FCR6892	HFCR3189	hfc9496	miob5044	ncrb0021	SEOA2989a	SEOB0385	SOA0694

## 13. lumican (LUM) NM\_002345.1

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FCR2877	MIOA0604a	MIOA2202a	MIOA4934a	MIOA6578a	MIOA8757	mioa9896	miob1341	miob3404
FCR5350	MIOA0622a	MIOA2439a	MIOA5142a	MIOA6649a	MIOA8840	mioa9933	miob1358	miob3912
FCR5945	MIOA0653	MIOA2441a	MIOA5436a	MIOA6851a	MIOA8890	miob0256	miob1867	miob3958
fcrb1455	MIOA1018	MIOA2779a	MIOA5512a	MIOA6908a	MIOA9071	miob0266	MIOB2112	miob3972
hfc0199	MIOA1246	MIOA2847a	MIOA5687	MIOA6978a	MIOA9078	miob0413	MIOB2128	miob4067
hfc2558	MIOA1423	MIOA2968a	MIOA5688	mioa7679a	MIOA9115	miob0482	MIOB2256	miob4196
hfc4014	MIOA1793	MIOA3659a	MIOA5690	mioa7732a	mioa9287	MIOB0544	MIOB2291	miob4251
hfc8821	MIOA1843a	MIOA3958a	MIOA5750a	mioa7810a	mioa9315	miob0634	miob2412	miob4275
hfc8891	MIOA1865a	MIOA4200	MIOA5969a	mioa7867	mioa9360	miob0645	miob2416	miob4311
MIOA0056a	MIOA1937a	MIOA4210	MIOA5993a	MIOA8175	mioa9739	miob0904	miob2418	miob4681
MIOA0214a	MIOA2025	MIOA4345a	MIOA6078a	MIOA8374	mioa9791	miob0965	miob2543	miob5093
MIOA0312n	MIOA2088	MIOA4589a	MIOA6256a	MIOA8488	mioa9845	miob1022	miob2545	miob5125
MIOA0536	MIOA2095	MIOA4814a	MIOA6417a	MIOA8551	mioa9876	miob1141	miob2932	miob5414

Figure 6A - Continued

miob5853	ncrb4315	SEOA0937	SEOA3451a	SEOA5791	SEOA8212	SEOB0532	SEOB3212	seob6612
miob5939	ncrb4659	seoa0968m	SEOA3690a	SEOA5974a	SEOA8254	SEOB0550	SEOB3254	seob6664
miob6244	ncrb5575	SEOA0988	SEOA3817a	SEOA6012a	SEOA8505	SEOB0604	SEOB3265	seob6714
miob6441	ncrb6294	SEOA1090a	SEOA3867	SEOA6018a	SEOA8686	SEOB0664a	SEOB3273	seob6755
miob6855	ncrb8152	SEOA1153a	SEOA3959a	SEOA6162a	SEOA8944	SEOB0791	seob3866	seob7064
miob6888	ncrc0871	SEOA1157a	SEOA4262a	SEOA6202a	SEOA9014	SEOB0880a	seob4093	seob7127
miob7037	ncrc1105	SEOA1178a	SEOA4277a	SEOA6244	SEOA9047	SEOB0901a	seob4184	seob7175
miob7040	ncrc1562	SEOA1229a	SEOA4320a	SEOA6415	SEOA9072	SEOB0926	seob4278	seob7208
ncr0485	ncrc1776	SEOA1262a	SEOA4394a	SEOA6738	SEOA9101	SEOB0943	seob4287	seob7422
ncr0527	ncrc2392	SEOA1303a	SEOA4437a	seoa6778	SEOA9108	SEOB1022	seob4412	seob7893
ncr1094	ncrc2474	SEOA1384	SEOA4787a	seoa6940	SEOA9201	SEOB1110	seob4608	seob7917
ncr1292	ncrc4105	SEOA1437a	SEOA4820a	seoa6976	SEOA9323	SEOB1201	seob4619	seob8190
ncr1942	ncrc4175	SEOA1758a	SEOA4821a	SEOA7062a	SEOA9332	SEOB1407	seob4643	seob8313
ncr2392	ncrc4725	SEOA1772a	SEOA4859a	SEOA7376a	SEOA9368	SEOB1494	seob4815	SOA0024
ncr4026	ncrc4748	SEOA1775a	SEOA4890a	SEOA7420a	SEOA9479	SEOB1576	seob4828	SOA0143
ncr5744	ncrc6993	seoa1914n	seoa4998a	SEOA7425a	SEOA9574	SEOB1920	seob5189	SOA0269
ncr6679	SEOA0069	SEOA2137	SEOA5079a	SEOA7491a	SEOA9618	SEOB1924	seob5787	soa0300n
ncr6688	seoa0093m	SEOA2430a	SEOA5101a	SEOA7604a	SEOA9650	SEOB1985	seob5802	SOA0349
ncr7450	SEOA0569	SEOA2477	SEOA5137a	seoa7735a	SEOA9728	SEOB2005	seob5924	SOA0448
ncr7578	SEOA0724a	SEOA2845	SEOA5141a	seoa7805a	SEOA9901	SEOB2122	seob6106	SOA0476
ncr8973	SEOA0742	SEOA3000a	SEOA5289a	seoa7847a	SEOA9917	seob2539	seob6152	SOA0631
ncrb0143	SEOA0834	SEOA3004a	SEOA5309a	SEOA7895a	SEOA9957	SEOB3035	seob6343	SOA0659
ncrb0234	SEOA0842	SEOA3014a	SEOA5519a	seoa7956	SEOB0097	SEOB3050	seob6533	SOA0684
ncrb0592	SEOA0879	SEOA3064a	SEOA5634a	seoa8084	SEOB0116	SEOB3102	seob6574	
ncrb4031	SEOA0903	SEOA3078a	SEOA5789	SEOA8172a	SEOB0413	SEOB3166	seob6583	

## 14. matrix Gla protein (MGP) X53331

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FCR5827	MIOA3245a	MIOA8603	MIOB2721	ncr2544	ncr9133	ncrb4507	ncrc0305	ncrc5351
hfc0997	MIOA3373a	MIOA8845	miob3205	ncr3060	ncr9157	ncrb4559	ncrc0901	ncrc5401
hfc2712	MIOA3534a	MIOA9111	miob3440	ncr3135	ncr9177	ncrb4581	ncrc0949	ncrc5795
hfc3598	MIOA3651a	mioa9337	miob3478	ncr3475	ncr9179	ncrb4779	ncrc1388	ncrc5855
hfc5781	MIOA3733a	mioa9380	miob3621	ncr3660	ncr9730	ncrb4920	ncrc1517	ncrc5991
hfc8227	MIOA3776	mioa9535	miob3657	ncr3694	ncr9842	ncrb5000	ncrc1758	ncrc6215
MIOA0131	MIOA3809	mioa9680	miob3768	ncr3828	ncr9941	ncrb5028	ncrc2378	ncrc6218
MIOA0155	MIOA3902a	mioa9696	miob4181	ncr3879	ncrb0229	ncrb5238	ncrc2380	ncrc6263
MIOA0234a	MIOA4065a	mioa9903	miob4363	ncr4035	ncrb0270	ncrb5358	ncrc2950	ncrc6514
MIOA0410a	MIOA4341a	miob0270	miob4416	ncr4041	ncrb0403	ncrb5723	ncrc3027	ncrc6536
MIOA0413a	MIOA4937a	miob0271	miob4871	ncr4117	ncrb0609	ncrb6275	ncrc3120	ncrc6569
MIOA0475	MIOA5051a	miob0276	miob5020	ncr4686	ncrb0655	ncrb6390	ncrc3427	ncrc6593
MIOA0585a	MIOA5110a	miob0367	miob5607	ncr5125	ncrb0750	ncrb6812	ncrc3467	ncrc6799
MIOA0648	MIOA5455a	miob0455	miob5857	ncr5345	ncrb0751	ncrb6841	ncrc3549	ncrc6967
MIOA0845a	MIOA5492a	miob0490	miob5925	ncr5610	ncrb1088	ncrb7290	ncrc3677	ncrc9032
MIOA0923a	MIOA5637a	miob0943	miob6001	ncr5653	ncrb1144	ncrb7407	ncrc3705	ncrc9037
MIOA1132	MIOA5823a	miob0968	miob6090	ncr6370	ncrb1492	ncrb7620	ncrc3897	ncrc9240
MIOA1309	MIOA6030	miob1076	miob6213	ncr6560	ncrb1636	ncrb7732	ncrc3960	ncrc9285
MIOA1418	MIOA6133a	miob1132	miob6822	ncr6657	ncrb2019	ncrb7738	ncrc4010	ncrc9298
MIOA1635a	MIOA6896a	miob1143	ncr0416	ncr6673	ncrb2512	ncrb7773	ncrc4183	seoa0006m
MIOA1664a	MIOA6898a	miob1190	ncr0559	ncr6749	ncrb3888	ncrb8141	ncrc4396	SEOA0387
MIOA1815a	MIOA7427a	miob1234	ncr1115	ncr6894	ncrb4121	ncrb8325	ncrc4638	SEOA0544
MIOA2064	MIOA7438a	miob1951	ncr1783	ncr7932	ncrb4141	ncrb8405	ncrc4743	SEOA0734a
MIOA2663a	mioa7672a	MIOB2103	ncr1784	ncr8347	ncrb4188	ncrb8508	ncrc4858	SEOA0885n
MIOA2778a	mioa7684a	MIOB2108	ncr1957	ncr8405	ncrb4210	ncrb8522	ncrc4890	SEOA0907
MIOA2802a	mioa7694a	miob2388	ncr2095	ncr8831	ncrb4250	ncrb8604	ncrc5055	SEOA1124a
MIOA3193a	mioa7934	miob2489	ncr2147	ncr8849	ncrb4459	ncrb8762	ncrc5144	SEOA1158a
MIOA3241a	MIOA8524	MIOB2693	ncr2411	ncr8936	ncrb4475	ncrc0059	ncrc5332	SEOA1253A

Figure 6A – Continued

SEOA1337	SEOA2893a	SEOA5626a	seoa7855a	SEOB0159	SEOB2016	seob4080	seob5228	seob7226
SEOA1509	SEOA3026a	SEOA6875	SEOA8386a	SEOB0195	SEOB2042	seob4139	seob5237	seob7592
SEOA2119	SEOA3568a	SEOA7065a	SEOA8674	SEOB0205	seob2311	seob4429	seob5671	seob7648
SEOA2239a	SEOA3844	SEOA7128a	SEOA8705	SEOB0521	seob2563	seob4522	seob6002	seob7674
SEOA2262a	SEOA3845	SEOA7176a	SEOA9151	SEOB0878a	SEOB3142	seob4585	seob6007	seob7968
SEOA2400a	SEOA4356a	SEOA7276a	SEOA9225	SEOB1021	SEOB3432	seob4897	seob6639	SOA0133
seoa2680m	SEOA4721a	SEOA7528a	SEOA9385	SEOB1305	SEOB3490	seob4915	seob6788	SOA0567
SEOA2681	SEOA5560a	seoa7677a	SEOA9390	SEOB1536	seob3696	seob5212	seob7072	

## 15. thymosin beta-4 (TMSB4X) M17733 305

BFCW0250	MIOA2636	mioa9579	miob5076	ncrc8681	SEOA2254a	SEOA6590a	SEOB0449	seob4218
CR0904	MIOA2781a	mioa9685	miob6054	ncrc0792	SEOA2386a	SEOA6634a	SEOB0555	seob4484
FCR1838	MIOA3295a	mioa9749	miob6088	ncrc1257	SEOA2463a	SEOA6635a	SEOB0590	seob4611
FCR4092	MIOA3325a	mioa9968	miob6542	ncrc1571	SEOA2871	seoa6800	SEOB0691a	seob4718
FCR4109	MIOA3635a	miob0076	miob6760	ncrc1768	SEOA3023a	SEOA7068a	SEOB0842a	seob4747
FCR4506	MIOA3836	miob0301	miob6914	ncrc2096	SEOA3197	SEOA7125a	SEOB1024	seob4748
fcrb0136	MIOA4021a	miob0325	miob6989	ncrc2677	SEOA3529a	SEOA7168a	seob1041	seob4769
fcrb0631	MIOA4075a	miob1080	ncr0934	ncrc3216	SEOA3630a	SEOA7238a	SEOB1225	seob4774
fcrb2061	MIOA4130	miob1116	ncr0934	ncrc4394	SEOA3729a	SEOA7248a	SEOB1400	seob4818
hfc1297	MIOA4207	miob1149	ncr2290	ncrc4792	SEOA3859	SEOA7265a	SEOB1516	seob4883
hfc12655	MIOA4221	miob1210	ncr2569	ncrc5616	SEOA3911	SEOA7304a	SEOB1540	seob5246
hfc12827	MIOA4823a	MIOB1535	ncr2738	ncrc6574	SEOA3933	SEOA7591a	SEOB1666	seob5504
hfc13840	MIOA5435a	miob1770	ncr3088	ncrc9683	SEOA3934	seoa7725a	SEOB1671	seob5615
hfc15976	MIOA5640a	MIOB2213	ncr3952	SEOA0040	SEOA3996a	seoa7744a	SEOB1867	seob5623
MIOA0100	MIOA5724	MIOB2299	ncr4997	seoa0094m	SEOA4164a	seoa7751a	SEOB1876	seob5757
MIOA0116	MIOA6132a	miob2396	ncr5357	SEOA0296	SEOA4306a	seoa7765a	SEOB1997	seob5788
MIOA0140	MIOA6152a	miob2444	ncr6031	seoa0434m	SEOA4594	seoa7832a	SEOB2044	seob5832
MIOA0185	MIOA6372a	miob2446	ncr6120	SEOA0478	SEOA4766a	seoa7886a	seob2091n	seob5836
MIOA0825	MIOA6401a	miob2997	ncr6702	SEOA0502	SEOA4804a	seoa8114	seob2091n	seob5848
MIOA1104	MIOA6656a	miob2998	ncr6986	SEOA0835	SEOA4827a	seoa8116	seob2322	seob5869
MIOA1121	MIOA6979a	miob3005	ncr7438	SEOA0888	seoa4938a	seoa8151	seob2612	seob5936
MIOA1297	MIOA6989a	miob3090	ncr7591	SEOA0891	seoa4942a	SEOA8184a	SEOB2691	seob6194
MIOA1396a	MIOA7011a	miob3583	ncr9127	SEOA1135a	seoa4966a	SEOA8283	SEOB3003	seob6306
MIOA1589	MIOA7383a	miob3762	ncrb0283	SEOA1138a	SEOA5012a	SEOA8341a	SEOB3162	seob6354
MIOA1839a	mioa7642a	miob3868	ncrb1305	SEOA1191A	SEOA5033a	SEOA8573	seob3268	seob6360
MIOA2157a	mioa7670a	miob4052	ncrb1483	SEOA1209A	SEOA5051a	SEOA8680	SEOB3580	seob6516
MIOA2168a	mioa7855	miob4117	ncrb2090	SEOA1224A	SEOA5204a	SEOA8709	seob3872	seob6754
MIOA2232a	mioa7883	miob4136	ncrb2608	SEOA1494	SEOA5879	SEOA8876	seob3891	seob7166
MIOA2289a	MIOA8035a	miob4139	ncrb3648	SEOA1504	SEOA6204a	SEOA8905	seob3912	seob7201
MIOA2304a	MIOA8339	miob4253	ncrb5209	SEOA1515	SEOA6268	SEOA9031	seob3963	seob7621
MIOA2445a	MIOA8702	miob4380	ncrb6031	SEOA1520	SEOA6380	SEOA9134	seob3964	seob8007
MIOA2455a	MIOA8781	miob4417	ncrb6050	seoa1548m	SEOA6394	SEOA9148	seob4004	seob8045
MIOA2468a	MIOA8825	miob4971	ncrb7745	SEOA2076	SEOA6444a	SEOA9417	seob4119	seob8060
MIOA2599a	MIOA9133	miob5047	ncrb8487	SEOA2168n	SEOA6488a	SEOA9700	seob4207	

## 16. osteonectin gene (SPARC) secreted protein, acidic, cysteine-rich M25746.1 248

ncrc6598	ncrc3640	ncrc4730	CR0591	FCR5250	fcrb1865	hfc13960	hfc15716	MIOA0970
ncrc6559	ncrc2241	ncrc5858	FCR0375	FCR5263	fcrb2192	hfc14106	hfc16283	MIOA1549
ncrc6168	ncrc2515	ncrc5790	FCR1029	FCR5898	fcrb2300	hfc14120	hfc16860	MIOA2171a
ncrc5684	ncrc4382	ncrc6061	FCR1423	FCR5971	fcrb2454	hfc14132	hfc17683	MIOA4892a
ncrc6201	ncrc4660	BFC50074	FCR1955	FCR6766	hfc10310	hfc14333	hfc18827	MIOA5898a
ncrc7119	ncrc1427	BFC50284	FCR2296	FCR6802	hfc11377	hfc15065	hfc19977	MIOA7583a
ncrc3680	ncrc4761	CR0119	FCR2822	fcrb0168	hfc12040	hfc15433	MIOA0458	mioa7929
ncrc3642	ncrc1385	CR0370	FCR4871	fcrb1432	hfc13568	hfc15601	mioa0789m	mioa9693

Figure 6A - Continued

miob1722	ncr2867	ncr6896	ncrb0812	ncrb4904	ncrb7719	ncrc1870	SEOA5398	SEOB0916
MIOB2708	ncr3049	ncr7150	ncrb0914	ncrb4965	ncrb7793	ncrc2800	SEOA5576a	SEOB1125
miob3926	ncr3206	ncr7190	ncrb1081	ncrb5068	ncrb7861	ncrc2955	SEOA5871	SEOB2704
miob3981	ncr3573	ncr7216	ncrb1562	ncrb5181	ncrb8149	ncrc3012	SEOA7396a	SEOB2763
miob5104	ncr3575	ncr7272	ncrb1656	ncrb5407	ncrb8382	ncrc3085	SEOA7495a	SEOB2944
ncr0136	ncr3667	ncr7558	ncrb1822	ncrb5539	ncrb8422	ncrc4144	seoa7965	SEOB3357
ncr0305	ncr3699	ncr8330	ncrb2164	ncrb5615	ncrb8429	ncrc5087	SEOA8417	seob3995
ncr0316	ncr3731	ncr8434	ncrb2519	ncrb5834	ncrb8435	ncrc6564	SEOA8436	seob4092
ncr0352	ncr3901	ncr8511	ncrb2527	ncrb5976	ncrb8718	ncrc6803	SEOA8626	seob4881
ncr0494	ncr4073	ncr8933	ncrb2715	ncrb6249	ncrb8783	ncrc6944	SEOA8958	seob5561
ncr0855	ncr4137	ncr9344	ncrb2738	ncrb6569	ncrc0142	ncrc9425	SEOA9138	seob5780
ncr1197	ncr4200	ncr9565	ncrb3338	ncrb6670	ncrc0285	ncrc9437	SEOA9342	seob6679
ncr1201	ncr4567	ncr9682	ncrb3563	ncrb6785	ncrc0359	ncrc9727	SEOA9552	seob7222
ncr1748	ncr4750	ncr9771	ncrb3621	ncrb6942	ncrc0381	ncrc9742	SEOA9747	seob7348
ncr1990	ncr4833	ncr9784	ncrb3844	ncrb6994	ncrc0464	SEOA1683a	SEOA9757	SOA0212
ncr2187	ncr5218	ncrb0120	ncrb3872	ncrb7067	ncrc0510	SEOA1733a	SEOA9875	SOA0674n
ncr2215	ncr5328	ncrb0166	ncrb4019	ncrb7246	ncrc0628	SEOA2742	SEOB0329	
ncr2223	ncr5463	ncrb0544	ncrb4118	ncrb7528	ncrc0813	SEOA3222	SEOB0405	
ncr2837	ncr5826	ncrb0589	ncrb4573	ncrb7624	ncrc0885	SEOA3904	SEOB0662a	
ncr2840	ncr6138	ncrb0745	ncrb4804	ncrb7706	ncrc1617	SEOA4101a	SEOB0770	

## 17. ribosomal protein S27 (=metalloprotein 1 MPS1)NM\_001030.1 247

ncrc4378	fcrb1711	MIOA5281a	ncr1666	ncr7618	ncrb6222	ncrc4953	seoa4891a	SEOB3467
ncrc4607	fcrb2289	MIOA6294a	ncr2073	ncr7652	ncrb6279	ncrc5537	SEOA5814	seob4091
ncrc6259	hfc0276	MIOA6706a	ncr2389	ncr7956	ncrb6325	ncrc6387	seoa6855	seob4105
ncrc5963	hfc0559	MIOA7201a	ncr2647	ncr8440	ncrb6528	ncrc6677	SEOA6886	seob4313
ncrc5964	hfc0608	MIOA7226a	ncr2671	ncr8839	ncrb6647	ncrc8922	seoa7019	seob4341
ncrc5995	hfc1343	mioa7886	ncr2934	ncr8960	ncrb7201	ncrc8959	SEOA7241a	seob4421
ncrc6333	hfc1362	MIOA8399	ncr3121	ncrb0044	ncrb7612	ncrc9071	SEOA7525a	seob4515
ncrc5865	hfc2166	MIOA9039	ncr3195	ncrb0413	ncrb7683	ncrc9339	seoa7817a	seob4600
ncrc6413	hfc2823	MIOA9051	ncr3549	ncrb0551	ncrb8026	ncrc9796	SEOA7932a	seob4920
ncrc6911	hfc2910	mioa9814	ncr3565	ncrb0708	ncrb8256	SEOA0144	SEOA8460	seob4934
ncrc7017	hfc5264	miob1154	ncr3804	ncrb1619	ncrb8788	SEOA0171a	SEOA8592	seob5725
BFC0398	hfc5856	MIOB2803	ncr4184	ncrb2393	ncrc0400	SEOA0293	SEOA8592	seob5753
FCR0848	hfc5890	miob2921	ncr4220	ncrb2590	ncrc0471	SEOA0362	SEOA9136	seob6062
FCR1554	hfc7569	miob3771	ncr4568	ncrb2821	ncrc0523	SEOA0525	SEOA9785	seob6633
FCR1907	hfc7842	miob3995	ncr4688	ncrb2957	ncrc0906	SEOA1120a	SEOA9984	seob7357
FCR2113	hfc8358	miob4198	ncr4778	ncrb3123	ncrc0985	SEOA1298a	SEOB0001	seob7469
FCR2473	hfc9150	miob4361	ncr4910	ncrb3392	ncrc1056	SEOA1960	SEOB0036	seob7523
FCR2840	hfc9495	miob4381	ncr4921	ncrb3552	ncrc1489	SEOA2078	SEOB0673a	seob7692
FCR4154	hfc9566	miob4777	ncr4982	ncrb4106	ncrc2202	seoa2682m	SEOB0786a	seob7876
FCR4870	MIOA0229a	miob4863	ncr5108	ncrb4911	ncrc2396	SEOA2683	SEOB1241	seob7938
FCR5749	MIOA0818	miob5021	ncr5639	ncrb5015	ncrc2765	SEOA2896a	SEOB1474	seob7987
FCR6589	MIOA0865a	miob5678	ncr5942	ncrb5276	ncrc2988	SEOA3402a	SEOB1512	SOA0437
fcrb0046	MIOA1066	miob6261	ncr6395	ncrb5423	ncrc3203	SEOA3537a	SEOB1552	SOA0506
fcrb0190	MIOA2249a	miob6299	ncr6581	ncrb5601	ncrc3625	SEOA3589a	SEOB2041	
fcrb0317	MIOA2650	miob6350	ncr6968	ncrb6003	ncrc3909	SEOA4003a	SEOB2119	
fcrb0335	MIOA4133	miob6507	ncr7333	ncrb6006	ncrc4159	SEOA4408a	seob2574	
fcrb1412	MIOA4237	miob6956	ncr7378	ncrb6089	ncrc4309	SEOA4555	seob2579	
fcrb1708	MIOA4870a	ncr0908	ncr7517	ncrb6187	ncrc4671	SEOA4839a	seob3266	

## 18. vimentin gene (VIM) Z19554 212

ncrc4509	ncrc4543	BFC0557	FCR0909	FCR3170	FCR5818	FCR6621	FCR7255	fcrb1817
ncrc4369	BFCN0265	CR1003	FCR2425	FCR5713	FCR6503	FCR7153	FCR7685	fcrb1886

Figure 6A – Continued

fcrb2210	MIOA1363a	miob0173	ncr2736	ncrc6192	SEOA2358a	SEOA7165a	SEOB1157	seob5728
fcrb2245	MIOA1627a	MIOB0552	ncr4460	ncrc6421	SEOA2414	SEOA7192a	SEOB1214	seob5806
hfc0284	MIOA1833a	miob1298	ncr6552	ncrc6757	SEOA3213	SEOA7217a	SEOB1613	seob5885
hfc0436	MIOA2099	miob1786	ncr6562	ncrc9194	SEOA3246	SEOA7446a	SEOB1829	seob5904
hfc1275	MIOA2254a	miob1912	ncr7288	SEOA0056	SEOA3591a	seoa7700a	SEOB1899	seob5970
hfc1404	MIOA2572a	MIOB2736	ncr8252	SEOA0256a	SEOA3848	seoa7853a	seob2590	seob6117
hfc1739	MIOA2588a	miob2916	ncr8802	SEOA0440	SEOA4075	SEOA7907a	SEOB2753	seob6178
hfc2801	MIOA4027a	miob2950	ncrb0134	seoa0459m	SEOA5011a	SEOA8217	SEOB2764	seob6801
hfc4430	MIOA4040a	miob3013	ncrb2591	SEOA0508	SEOA5109a	SEOA8259	SEOB2980	seob7217
hfc5120	MIOA4305a	miob3204	ncrb4011	SEOA0551A	SEOA5280a	SEOA8518	SEOB3033	seob7285
hfc5428	MIOA4665a	miob3333	ncrb5519	SEOA0584	SEOA5521a	SEOA8628	SEOB3041	seob7355
hfc5686	MIOA5121a	miob3408	ncrb7093	SEOA0592a	SEOA5538a	SEOA8782	SEOB3072	seob7417
hfc6021	MIOA5761a	miob4518	ncrb8740	SEOA0923	SEOA5600a	SEOA8819	SEOB3135	seob7462
hfc6571	MIOA5824a	miob4927	ncrc0401	SEOA1281a	SEOA5666a	SEOA9212	SEOB3407	seob7464
hfc7091	MIOA5925a	miob4948	ncrc0507	SEOA1286a	SEOA5713a	SEOA9346	SEOB3471	seob7641
hfc7772	MIOA6806a	miob5025	ncrc0676	SEOA1592a	SEOA6190a	SEOA9462	seob3936	seob7724
hfc8393	MIOA7269a	miob5966	ncrc1084	SEOA1937n	SEOA6418	SEOA9488	seob4130	seob8286
hfc8422	MIOA7472a	miob6384	ncrc1337	SEOA1943	SEOA6529a	SEOA9560	seob4234	soa0461n
MIOA0019a	MIOA8351	miob6489	ncrc1716	seoa2037	SEOA6629a	SEOA9938	seob4887	
MIOA0404a	MIOA8613	miob6843	ncrc1914	seoa2045m	seoa6934	SEOA9987	seob5098	
MIOA1074	mioa9330	ncr1147	ncrc4253	SEOA2093	seoa6953	SEOB0346	seob5163	
MIOA1080	mioa9945	ncr2577	ncrc5575	SEOA2185a	SEOA7111a	SEOB0924	seob5660	

## 19. ribosomal protein L7 X52967 206

BFCW0079	fcrb2509	MIOA0727	MIOA6125a	miob2500	ncr4911	ncrc0072	SEOA3041a	SEOB0871a
CR0292	hfc0384	MIOA1288	MIOA6453a	miob3165	ncr5566	ncrc0195	SEOA3963a	SEOB1028
FCR0850	hfc0540	MIOA1558	MIOA6460a	miob3707	ncr5626	ncrc0633	SEOA4299a	SEOB1529
FCR1484	hfc0856	MIOA1893a	MIOA6486a	miob3731	ncr5900	ncrc1864	SEOA4769a	SEOB1631
FCR1817	hfc0890	MIOA1924a	MIOA7148a	miob3939	ncr6111	ncrc2691	SEOA4812a	SEOB1874
FCR2164	hfc1385	MIOA2096	MIOA7406a	miob3990	ncr7001	ncrc3548	SEOA5579a	SEOB2216
FCR4011	hfc1784	MIOA2338a	MIOA7426a	miob4026	ncr7979	ncrc4027	SEOA6482a	seob2573
FCR4039	hfc1789	MIOA2680a	MIOA7441a	miob4027	ncr8127	ncrc4662	SEOA6578a	SEOB3233
FCR5047	hfc1791	MIOA2706a	mioa7790a	miob4608	ncr9721	ncrc5109	SEOA6910	SEOB3392
FCR5327	hfc1901	MIOA2803a	MIOA8157	miob5118	ncr9865	ncrc6681	SEOA7336a	SEOB3483
FCR5343	hfc3024	MIOA3200a	MIOA8221	miob5626	ncrb0784	ncrc6853	SEOA7937a	seob4128
FCR5421	HFCR3152	MIOA3347a	MIOA8577	miob5668	ncrb1531	ncrc6935	seoa8015	seob4531
FCR5683	HFCR3181	MIOA3418a	MIOA8712	miob5861	ncrb2112	ncrc8942	SEOA8267	seob5039
FCR6483	HFCR3191	MIOA3730a	MIOA9132	miob6110	ncrb2317	ncrc9970	SEOA8678	seob5494
FCR6582	hfc5895	MIOA3967a	mioa9363	miob6534	ncrb3334	SEOA0289	SEOA9124	seob5881
fcrb0081	hfc6068	MIOA4310a	mioa9460	miob6737	ncrb4390	SEOA0887	SEOA9210	seob6012
fcrb0202	hfc6907	MIOA4487a	mioa9626	ncr0503	ncrb5048	SEOA1266A	SEOA9512	seob6697
fcrb0735	hfc6929	MIOA4512a	miob0418	ncr0600	ncrb5591	SEOA1309a	SEOA9639	seob6775
fcrb1318	hfc7791	MIOA4645a	miob0714	ncr0680	ncrb6196	SEOA1950	SEOB0203	seob7317
fcrb1639	hfc7965	MIOA5053a	miob1205	ncr1651	ncrb6301	SEOA2165	SEOB0395	seob7331
fcrb1973	hfc8505	MIOA5777a	MIOB1580	ncr2532	ncrb6704	SEOA2180a	SEOB0579	seob7666
fcrb2080	hfc8752	MIOA5970a	miob1796	ncr4203	ncrb7656	SEOA2420a	SEOB0665a	seob8006
fcrb2119	MIOA0607a	MIOA6069a	MIOB2189	ncr4377	ncrb8657	SEOA3031a	SEOB0750	

## 20. scrapie responsive protein 1 (SCRG1)NM\_007281.1 168

ncrc7177	ncrc5261	FCR4957	mioa0556a	MIOA1823a	MIOA4187	MIOA6039	MIOA7435a	mioa9675
ncrc5681	ncrc5311	fcr5406n	mioa0640an	MIOA1853a	MIOA4526a	MIOA6280a	mioa7830a	miob0385
ncrc4340	ncrc5567	hfc5939	MIOA0756	MIOA2458a	MIOA5580a	MIOA7166a	MIOA8127	miob0404
ncrc4610	ncrc6780	MIOA0025a	MIOA1234	MIOA2605a	MIOA5656	MIOA7364a	mioa9280	miob0447
ncrc4301	ncrc6876	MIOA0202a	MIOA1600	MIOA3933a	MIOA5994a	MIOA7367a	mioa9320	miob0750

Figure 6A – Continued

miob0975	miob4391	ncr0917	ncr5752	ncrb2359	ncrc3296	SEOA5347	SEOA9422	seob5966
miob1203	miob4528	ncr1848	ncr6221	ncrb2678	ncrc3535	SEOA5831	SEOB1130	seob6301
miob1373	miob4584	ncr2036	ncr6575	ncrb4483	ncrc4976	SEOA5835	SEOB1819	seob6650
miob1858	miob4818	ncr2237	ncr6772	ncrb5459	SEOA0487	SEOA6333	SEOB2648	seob6725
miob1895	miob4877	ncr2599	ncr7385	ncrb5717	SEOA0777	SEOA6376	SEOB2916	seob6824
MIOB2139	miob5984	ncr2712	ncr7563	ncrb7075	SEOA0858	SEOA6422	SEOB3083	seob7663
MIOB2265	miob5995	ncr2772	ncr8237	ncrb7467	SEOA2271a	SEOA6459a	SEOB3300	seob8034
MIOB2345	miob6075	ncr2974	ncr8397	ncrb8265	SEOA2480	SEOA7267a	seob4013	seob8266
miob2506	miob6346	ncr3062	ncr8790	ncrb8331	seoa2672m	SEOA7598a	seob4121	SOA0285
MIOB2670	miob6583	ncr3092	ncrb0226	ncrb8707	SEOA2941a	seoa7754a	seob4206	SOA0288
miob2876	ncr0576	ncr3124	ncrb0395	ncrc0167	SEOA3620a	seoa8080	seob4798	SOA0632
miob3065	ncr0763	ncr4585	ncrb0449	ncrc0313	SEOA3780a	SEOA8584	seob4922	
miob3733	ncr0807	ncr5010	ncrb1522	ncrc0537	SEOA3905	SEOA9153	seob5239	
miob4217	ncr0817	ncr5475	ncrb1817	ncrc3277	SEOA4575	SEOA9250	seob5786	

## 21. connective tissue growth factor (CTGF) U14750 159

ncrc2273	MIOA2961a	miob0248	ncr0137	ncr5898	ncrb2777	ncrb6968	ncrc9327	seoa8087
ncrc2535	MIOA3188a	miob0778	ncr0480	ncr6535	ncrb2833	ncrb7783	ncrc9834	SEOA8788
ncrc6828	MIOA3406a	miob1692n	ncr0507	ncr6675	ncrb3539	ncrb7824	SEOA1413a	SEOB0827a
ncrc6973	MIOA4999a	miob2429	ncr0780	ncr7193	ncrb4196	ncrb8186	SEOA1472a	SEOB1078
BFCS0303	MIOA5052a	miob2442	ncr0819	ncr7774	ncrb4377	ncrc0156	SEOA1530	seob2534
FCR6229	MIOA5220	miob3007	ncr0842	ncr7780	ncrb4628	ncrc1321	SEOA2979a	SEOB2940
fcrb1224	MIOA5756a	miob3255	ncr1551	ncr8671	ncrb4893	ncrc1492	SEOA2983a	SEOB3234
hfcrl829	MIOA5939a	miob3744	ncr1715	ncr9004	ncrb5027	ncrc1493	SEOA3099a	seob5257
hfcrl2297	MIOA5940a	miob3895	ncr1777	ncr9160	ncrb5312	ncrc1611	seoa3145m	seob6654
hfcrl5724	MIOA6725a	miob3978	ncr2006	ncr9320	ncrb5724	ncrc3290	SEOA3542a	seob6667
MIOA0390a	MIOA6842a	miob4116	ncr2168	ncr9326	ncrb5960	ncrc3865	SEOA4077	seob6690
MIOA0792	MIOA6990a	miob4283	ncr3019	ncr9846	ncrb6102	ncrc4197	SEOA4458a	seob6902
MIOA1135	MIOA7250a	miob4382	ncr3145	ncrb0205	ncrb6475	ncrc4580	SEOA4665a	seob7467
MIOA1178	mioa8326n	miob4894	ncr3798	ncrb0254	ncrb6559	ncrc4824	SEOA5416	seob7475
MIOA1308m	MIOA8803	miob5107	ncr4536	ncrb0654	ncrb6655	ncrc5277	SEOA5944	soa0277n
MIOA1521	MIOA8922	miob5772	ncr5263	ncrb0899	ncrb6715	ncrc5493	SEOA6048a	
MIOA1727a	MIOA9055	miob6086	ncr5272	ncrb2187	ncrb6789	ncrc6443	SEOA7116a	
MIOA1917a	mioa9503	miob6864	ncr5644	ncrb2421	ncrb6935	ncrc9043	SEOA7440a	

## 22. tumor protein translationally-controlled 1 (TPT1) NM\_003295.1 158

ncrc5662	FCR5935	hfcrl426	MIOA3619a	miob3873	ncrb0952	ncrc0138	SEOA1987	SEOA9701
ncrc5445	FCR6031	hfcrl2667	MIOA3917a	miob4047	ncrb1792	ncrc0452	SEOA2034	SEOB1249
ncrc5600	FCR6303	hfcrl2876	MIOA3960a	miob4445	ncrb2192	ncrc0872	SEOA2609	SEOB1523
ncrc5943	FCR6871	hfcrl2913	MIOA4926a	miob5787	ncrb3248	ncrc1956	seoa2643m	SEOB1828
ncrc6425	FCR6996	hfcrl3720	MIOA6264a	ncr0604	ncrb3609	ncrc3336	seoa3156mn	seob2620
CR0235	FCR7449	hfcrl3810	MIOA6798a	ncr1703	ncrb3684	ncrc3392	SEOA4492	SEOB2650
FCR0743	FCR7719	hfcrl3900	MIOA7320	ncr1806	ncrb3878	ncrc3736	SEOA5510a	SEOB3382
FCR2273	fcrl1508	hfcrl5471	MIOA8959	ncr2172	ncrb4023	ncrc3829	SEOA5511a	seob3715
fcrl2505nn	fcrl2011	hfcrl5474	MIOA9120	ncr2352	ncrb4876	ncrc4170	SEOA5862	seob4360
FCR2735	fcrl2352	hfcrl5744	mioa9200	ncr2945	ncrb4935	ncrc4273	SEOA6282	seob6101
FCR2766	hfcrl0012	hfcrl7271	mioa9419	ncr5069	ncrb4952	ncrc8984	SEOA6448a	seob6472
FCR3436	hfcrl0108	hfcrl7362	mioa9553	ncr5164	ncrb4984	ncrc9108	SEOA6719	seob7500
FCR3530	hfcrl0315	hfcrl7551	mioa9981	ncr6410	ncrb5374	ncrc9735	SEOA7154a	seob8229
FCR4260	hfcrl0599	hfcrl9899	miob0091	ncr8241	ncrb5626	SEOA0044n	seoa7710a	SOA0249
FCR4829	hfcrl0728	MIOA0138	miob0238	ncr8721	ncrb6164	seoa0268m	SEOA8441	SOA0283
FCR4948	hfcrl1174	MIOA1107	miob0366	ncrb0459	ncrb7711	SEOA0369	SEOA8576	
FCR4950	hfcrl1193	MIOA1884a	miob0774	ncrb0529	ncrb8101	SEOA0397	SEOA8742	
FCR5099	hfcrl1205	MIOA2302a	MIOB2667	ncrb0687	ncrb8494	SEOA1899	SEOA9026	

Figure 6A – Continued

## 23. putative p150 AAC51271.1 145

ncrc2447	miob3094	ncr3379	ncr5908	ncrb0093	ncrb8412	ncrc4160	ncrc9506	seob6047
ncrc2577	miob3183	ncr3499	ncr6656	ncrb0245	ncrb8623	ncrc4513	ncrc9564	seob6240
hfc5810	miob3805	ncr3591	ncr6683	ncrb0466	ncrb8704	ncrc4540	ncrc9697	seob6283
hfc6201	miob4213	ncr4048	ncr6817	ncrb0923	ncrb8795	ncrc4733	ncrc9952	seob6545
hfc8551	miob6535	ncr4380	ncr7117	ncrb1114	ncrc0478	ncrc4874	seoa6937	seob6663
hfc9949	miob6700	ncr4543	ncr7187	ncrb1127	ncrc0601	ncrc5065	SEOA9020	seob6671
MIOA8149	miob6784	ncr4642	ncr7663	ncrb2647	ncrc0814	ncrc5223	SEOA9577	seob6692
MIOA8499	miob6961	ncr5544	ncr7881	ncrb2808	ncrc0853	ncrc5475	SEOA9707	seob6757
MIOA8538	miob7018	ncr5586	ncr7918	ncrb3038	ncrc2003	ncrc5563	SEOB1624	seob6780
MIOA8759	ncr0060	ncr5600	ncr8024	ncrb3360	ncrc2149	ncrc5909	SEOB2114	
mioa9329	ncr0273	ncr5648	ncr8122	ncrb3587	ncrc2154	ncrc6319	SEOB3117	
miob0749	ncr1002	ncr5659	ncr8134	ncrb3960	ncrc2233	ncrc6487	SEOB3585	
miob0883	ncr1560	ncr5692	ncr8253	ncrb4713	ncrc2318	ncrc6703	seob3686	
miob1813	ncr1593	ncr5711	ncr8702	ncrb5360	ncrc2493	ncrc6800	seob3941	
miob2923	ncr2505	ncr5720	ncr8851	ncrb6717	ncrc2849	ncrc7091	seob5332	
miob2930	ncr2523	ncr5727	ncr9719	ncrb6757	ncrc3135	ncrc9197	seob5473	
miob2939	ncr3306	ncr5734	ncrb0058	ncrb7339	ncrc3678	ncrc9229	seob5877	

## 24. osteoblast specific factor 2 (OSF-2os) D13666.1 139

BFCW0085	SEOA0083	seoa2604m	SEOA5939	SEOA8311a	seob1301n	SEOB3398	seob5155	seob6732
CR0146	SEOA0142	SEOA2714	SEOA6368	SEOA8737	SEOB1303	SEOB3420	seob5162	seob6865
CR0557	SEOA0204A	SEOA2904a	SEOA6442	SEOA8809	SEOB1445	SEOB3469	seob5443	seob7220
CR0900	SEOA0497	SEOA2921a	SEOA6915	SEOA8824	SEOB1473	SEOB3487	seob5487	seob7486
FCR3064	seoa0498m	seoa3152m	seoa6933	SEOA8848	SEOB1504	SEOB3521	seob5512	seob7508
FCR4409	SEOA0585	SEOA3214	seoa6946	SEOA8879	SEOB1603	seob3992	seob5535	seob7612
FCR5767	SEOA0593a	SEOA3266	seoa7028	SEOA8989	SEOB1609	seob4005	seob5575	seob7766
FCR7251	seoa0764m	SEOA3420a	SEOA7097a	SEOA9133	SEOB1745	seob4240	seob5754	seob7910
hfc0734	SEOA0846	SEOA4316a	SEOA7358a	SEOA9169	SEOB1928	seob4280	seob5813	seob7979
hfc0765	SEOA1194A	SEOA4346a	seoa7691a	SEOA9851	SEOB1982	seob4488	seob5910	seob8068
hfc1823	SEOA1291a	SEOA4455a	seoa7773a	SEOA9951	SEOB2255	seob4651	seob6185	SOA0646
hfc2141	SEOA1440a	SEOA5129a	seoa7834a	SEOA9993	seob2607	seob4695	seob6349	
HFCR3195	SEOA1660a	SEOA5173a	seoa7878a	SEOB0118	SEOB2663	seob4746	seob6382	
hfc5075	SEOA2007	SEOA5312a	seoa8029	SEOB0398	SEOB2998	seob4786	seob6412	
hfc5836	SEOA2124	SEOA5505a	seoa8055	SEOB0628a	seob3269	seob5150	seob6517	
MIOA6728a	SEOA2434a	SEOA5582a	SEOA8204	SEOB1154	SEOB3336	seob5154	seob6681	

## 25. collagen type I alpha 1 (COL1A1) X06269 128

BFCN0211	FCR1964	fcrb1465	hfc0718	hfc4164	hfc7366	hfc9707	ncrb1898	SEOA4529
BFCS0077	FCR1967	fcrb1476	hfc0730	hfc5199	hfc7414	hfc9887	ncrb2179	SEOA7221a
BFCW0090	FCR2008	fcrb1506	hfc0763	hfc5654	hfc7609	hfc9919	ncrb5229	SEOA7607a
cr0131n	FCR4702	fcrb1510	hfc1125	hfc5811	hfc7618	hfc9938	ncrb5536	SEOA8327a
fcr0038n	FCR4768	fcrb1588	hfc1152	hfc6010	hfc7858	hfc9965	ncrb6628	SEOA9590
fcr0039n	FCR4999	fcrb1612	hfc1262	hfc6223	hfc7956	hfc9966	ncrb7568	SEOA9812
FCR0488	FCR5251	fcrb1978	hfc1315	hfc6445	hfc7979	ncr4067	ncrb8245	SEOB2756
FCR0607	fcrb0056	fcrb2001	hfc1320	hfc6574	hfc9006	ncr4544	ncrb8285	SEOB3460
FCR0682	fcrb0089	fcrb2157	hfc1383	hfc6623	hfc9043	ncr4613	ncrb8420	seob3983
FCR0734	fcrb0296	fcrb2538	hfc2066	hfc6681	hfc9355	ncr4813	ncrc2729	seob4352
FCR1148	fcrb0370	fcrb2767	hfc2872	hfc6904	hfc9384	ncr5280	ncrc3292	seob5382
FCR1389	fcrb0407	hfc0078	hfc2939	hfc6988	hfc9386	ncr8761	ncrc3679	seob5394
FCR1425	fcrb0568	hfc0174	hfc3541	hfc7059	hfc9519	ncr9314	ncrc4119	seob5427
FCR1737	fcrb0815	hfc0613	hfc3986	hfc7088	hfc9520	ncr9579	ncrc6222	seob5435

Figure 6A – Continued

seob5471 seob8181

## 26. Ribosomal protein S20 (RPS20) NM\_001023.1

124

BFC0560	FCR5345	hfc3659	MIOA1283m	miob0649	ncr5355	SEOA1687a	SEOA6043a	seob3757
CR0955	FCR7236	hfc4454	MIOA2265a	miob1208	ncr6264	SEOA1711a	SEOA6522a	seob3966
FCR0088	fcrb0198	hfc5171	MIOA2417a	miob1314	ncr7115	SEOA1887	SEOA7291a	seob4768
FCR0284	fcrb0397	hfc5619	MIOA3719a	miob1807	ncrb0440	SEOA2260a	SEOA7529a	seob5259
FCR0402	fcrb1159	hfc5823	MIOA3867	miob3476	ncrb2472	SEOA3355a	SEOA8806	seob5305
FCR0448	fcrb1683	hfc5943	MIOA4940a	miob4134	ncrb3418	SEOA3631a	SEOA9345	seob5932
FCR1040n	fcrb2763	hfc6005	MIOA5473a	miob4201	ncrb4480	SEOA3659a	SEOA9364	seob6299
FCR1206	hfc0438	hfc6591	MIOA5826a	miob4577	ncrb4840	SEOA3892	SEOA9503	seob6632
FCR1291	hfc0825	hfc6705	MIOA7073a	miob4934	ncrb6460	SEOA3893	SEOA9710	seob6652
FCR1492	hfc1368	hfc6958	MIOA7223a	ncr0005	ncrc0458	SEOA4720a	SEOB0240	seob7031
FCR1754	hfc2209	hfc7712	MIOA7306	ncr0186	ncrc0752	SEOA4825a	SEOB1262	seob7940
FCR3122	hfc2842	hfc8280	mioa9353	ncr0408	ncrc5542	SEOA5112a	seob2559	seob7975
FCR3397	hfc2880	hfc8914	miob0231	ncr1228	SEOA0307	SEOA5728a	SEOB2952	
FCR4850	hfc2931	hfc9039	miob0326	ncr5258	SEOA0771	SEOA5828	SEOB3086	

## 27. ribosomal protein L9 U09953

119

FCR0069	FCR5198	hfc0359	hfc8058	MIOA8398	ncrb2265	ncrc6541	SEOA9001	seob4125
FCR0802	FCR5359	hfc0532	hfc8202	miob5897	ncrb2565	ncrc9121	SEOA9425	seob4230
FCR1036	FCR5437	hfc0950	hfc8961	miob5927	ncrb3211	ncrc9278	SEOA9631	seob5175
FCR1399	FCR6334	hfc1322	hfc9375	ncr1175	ncrb4245	ncrc9406	SEOB0496	seob7179
FCR1612	FCR6525	hfc1345	hfc9598	ncr1585	ncrb4963	ncrc9475	SEOB0759	seob7581
FCR2007	FCR6631	hfc2053	MIOA0088a	ncr3061	ncrb7856	SEOA0170a	SEOB0967	seob7704
FCR2286	FCR6975	hfc3037	MIOA0151	ncr6320	ncrb8042	SEOA2169	seob1037	SOA0264
FCR2320	FCR7237	hfc3364	MIOA0469	ncr6334	ncrc2744	SEOA3090a	SEOB1403	
FCR3665	fcrb0053	hfc5858	MIOA0910a	ncr6579	ncrc2746	SEOA4363a	SEOB1616	
FCR4134	fcrb0275	hfc6123	MIOA2527a	ncr7175	ncrc3641	SEOA5017a	SEOB1762	
FCR4198	fcrb0750	hfc6185	MIOA3038a	ncr8304	ncrc4041	SEOA5149a	SEOB2232	
FCR4326	fcrb1627	hfc6203	MIOA3253a	ncrb0123	ncrc5163	SEOA7628a	SEOB3277	
FCR4660	fcrb2260	hfc6460	MIOA6455a	ncrb0442	ncrc5526	SEOA8207	SEOB3348	
FCR5131	fcrb2486	hfc6520	MIOA7584a	ncrb0719	ncrc6247	SEOA8919	seob4064	

## 28. ribosomal protein L34 (RPL34) NM\_000995.1

108

BFC0229	fcrb2294	MIOA1016	mioa7693a	ncr7231	ncrb7056	SEOA0185a	SEOA7432a	seob2622
BFCW0375	hfc1048	MIOA1374a	MIOA8463	ncr8316	ncrb7438	SEOA0321	seoa7986	SEOB2964
CR0585	hfc1184	MIOA2856a	miob0080	ncr8715	ncrb7687	SEOA0994	seoa8088	SEOB3437
CR0808	hfc1840	MIOA3986a	miob1385	ncr9203	ncrc0184	SEOA2628	SEOA9473	seob3951
FCR1163	hfc1872	MIOA4329a	miob1806	ncrb0607	ncrc1847	SEOA2664	SEOA9797	seob3989
FCR2412	hfc2140	MIOA4623a	miob1927	ncrb2328	ncrc2432	seoa4914a	SEOA9836	seob3990
FCR4205	hfc5279	MIOA5086a	miob3452	ncrb2531	ncrc3452	SEOA5139a	SEOB0103	seob4518
FCR5338	hfc5505	MIOA5573a	miob4812	ncrb2697	ncrc3731	SEOA5147a	SEOB0491	seob5034
FCR7139	hfc7562	MIOA5847a	miob5695	ncrb4004	ncrc3905	SEOA5506a	SEOB0713a	seob5516
FCR7547	hfc7595	MIOA6086a	ncr0132	ncrb4240	ncrc4592	SEOA6219a	SEOB0978	seob5951
fcrb1336	hfc7771	MIOA6626a	ncr0379	ncrb5271	ncrc5854	SEOA6233	SEOB2147	seob7199
fcrb1370	MIOA0715	MIOA6681a	ncr1272	ncrb6009	ncrc9424	SEOA7327a	SEOB2254	seob7550

## 29. "calmodulin 1 (phosphorylase kinase, delta) (CALM1) "NM\_006888.1

107

BFCW0036n	CR0452	fcrb1493	MIOA0650	MIOA1914a	MIOA3887a	MIOA7173a	MIOA8071	miob0448
BFCW0056n	CR0797	MIOA0035a	MIOA1090	MIOA2391a	MIOA6083a	MIOA7272	MIOA8185	miob0718
BFCW0276	FCR2310	MIOA0360a	MIOA1648a	MIOA3330a	MIOA6148a	MIOA8024a	mioa9766	miob0912



Figure 6A – Continued

miob1759	miob6828	ncr7555	ncrb8705	SEOA0323	SEOA2860	SEOA6310	SEOB1120	seob5650
MIOB2324	miob6979	ncr8573	ncrc1087	SEOA0430	SEOA3208	SEOA7306a	SEOB1817	seob5657
miob3196	ncr0615	ncrb3934	ncrc2504	SEOA1409a	SEOA3604a	SEOA8434	SEOB1894	seob5693
miob4478	ncr3165	ncrb5657	ncrc4785	SEOA1516	SEOA3710a	SEOA8523	seob2545	seob6593
miob4545	ncr4361	ncrb5748	ncrc6452	SEOA1518	SEOA3719a	SEOA8805	SEOB2755	seob6806
miob4689	ncr4743	ncrb6549	ncrc6680	SEOA1604a	seoa4941a	SEOA9546	SEOB2925	seob7162
miob6221	ncr5222	ncrb6624	ncrc6932	SEOA1686a	SEOA5056a	SEOB0020	SEOB2947	seob7749
miob6255	ncr7024	ncrb7784	SEOA0090n	SEOA2502	SEOA5349	SEOB0475	seob5014	seob8155
miob6697	ncr7483	ncrb8355	SEOA0188A	SEOA2766	SEOA5657a	SEOB0551	seob5614	SOA0650

## 30. ribosomal RNA 18S X03205 103

ncrc6547	FCR4287	MIOA6320a	miob3601	ncr5402	ncr9627	ncrc1146	SEOA1150a	seob3945
ncrc6555	FCR6421	MIOA7404a	miob3876	ncr6384	ncrb0204	ncrc1184	SEOA1524	seob5192
ncrc1667	FCR6746	MIOA8128	miob4968	ncr7375	ncrb0503	ncrc1437	SEOA1700a	seob5330
ncrc6502	FCR7049	MIOA8269	miob6246	ncr7802	ncrb1685	ncrc1764	SEOA5614a	seob6327
ncrc4823	hfc6355	MIOA8893	miob6862	ncr8157	ncrb2773	ncrc1849	SEOA6447a	seob6565
ncrc4915	hfc7675	MIOA8904	miob6990	ncr8672	ncrb3520	ncrc2972	SEOA6504a	seob7368
BFCN0226	MIOA1351a	mioa9199	ncr1183	ncr8823	ncrb3879	ncrc3198	SEOA8474	SOA0131
BFC50228	MIOA1700	miob0704	ncr2394	ncr8845	ncrb5491	ncrc5835	SEOB0299	
CR1009	MIOA2489a	miob0779	ncr2698	ncr8858	ncrb6321	ncrc6173	SEOB0317	
FCR0199	MIOA2910a	miob0816	ncr4539	ncr8976	ncrb8176	ncrc6979	SEOB1771	
FCR3479	MIOA3065a	MIOB2574	ncr4601	ncr9166	ncrc0212	ncrc9386	SEOB2129	
FCR3903	MIOA3965a	MIOB2859	ncr5080	ncr9463	ncrc0836	SEOA1149a	seob2299	

## 31. ribosomal protein L41 AF026844.1 103

ncrc5811	FCR1531	hfc9505	miob2995	ncr5776	ncrb1173	ncrb8830	SEOA1324	SEOB2957
ncrc6095	FCR2052	hfc9990	miob3625	ncr5836	ncrb2051	ncrc0602	SEOA1692a	SEOB3436
ncrc6879	FCR2056	MIOA3321a	miob4273	ncr5838	ncrb2659	ncrc0658	SEOA3552a	seob4404
ncrc6956	FCR4450	MIOA4503a	miob6926	ncr5856	ncrb2883	ncrc0671	SEOA5242a	seob5867
BFC50527	FCR4934	MIOA8307	ncr0669	ncr7992	ncrb3299	ncrc1599	SEOA5906	seob5926
CR0650	FCR4978	MIOA9140	ncr1212	ncr8540	ncrb3686	ncrc1727	SEOA6518a	seob6319
FCR0087	fcrb0192	mioa9611	ncr2365	ncr9200	ncrb5532	ncrc1891	SEOA7370a	seob6399
FCR0100	fcrb0441	miob0565n	ncr3327	ncr9328	ncrb6130	ncrc2850	seoa7766a	
FCR0158	fcrb2521	miob1707	ncr4146	ncrb0416	ncrb6181	ncrc3433	SEOA9339	
FCR0393	fcrb2639	MIOB2338	ncr4854	ncrb0461	ncrb6513	ncrc4723	SEOB0222	
FCR0771	hfc6038	MIOB2559	ncr5128	ncrb0797	ncrb7276	ncrc9939	SEOB0717a	
FCR1134	hfc8915	MIOB2579	ncr5478	ncrb0833	ncrb7621	SEOA0363	SEOB0821a	

## 32. serine protease=HTRA serine protease (PRSS11)=AF157623.1 Y07921 101

BFC50081	MIOA4193	miob0729	miob6359	SEOA1743a	SEOA4742a	seoa7961	SEOB2238	seob5251
hfc5447	MIOA4264	miob0941	ncr2818	SEOA2142	SEOA5620a	seoa7998	seob2538	seob5398
hfc6311	MIOA4370a	miob1127	ncr3916	SEOA2142	SEOA6375	SEOA8263	seob2585	seob6858
hfc6405	MIOA4920a	miob2462	ncr5126	SEOA2142	SEOA6678a	SEOA9236	seob2597	SOA0488
hfc7590	MIOA5225a	miob3655	ncrb0634	SEOA2208a	SEOA6740	SEOA9634	SEOB3164	SOA0706
MIOA0732	MIOA6019a	miob3719	ncrb7771	SEOA2352a	seoa6848	SEOA9920	SEOB3196	
MIOA1145	MIOA6646a	miob3719	ncrb8720	SEOA2571	SEOA7127a	SEOB0456	SEOB3218	
MIOA1145	MIOA7249a	miob4436	ncrc5121	seoa2607mn	SEOA7210a	SEOB0768	SEOB3343	
MIOA1840a	mioa7936	miob4470	seoa0003m	SEOA3341a	SEOA7272a	SEOB0999	SEOB3435	
MIOA2913a	MIOA8957	miob4724	SEOA0354	SEOA3663a	SEOA7331a	SEOB1674	SEOB3478	
MIOA3022a	mioa9750	miob4929	SEOA0379	SEOA3668a	SEOA7561a	SEOB1825	seob4665	
mioa4151n	mioa9901	miob6108	SEOA1130a	SEOA4614a	seoa7885a	SEOB2209	seob5135	

Figure 6A – Continued

## 33. ribosomal protein S3a M77234 99

ncrc5852	fcrb0051	hfc3864	miob0719	ncr1309	ncrb5789	ncrc3242	SEOA3792a	SEOB2079
ncrc6245	fcrb0080	hfc6710	miob1253	ncr2571	ncrb5824	ncrc3757	SEOA4108a	SEOB2969
ncrc6349	fcrb0108	hfc9581	miob3250	ncr3097	ncrb5877	ncrc3998	SEOA4368a	SEOB3591
BFCW0319	fcrb2277	MIOA0026a	miob3617	ncr3324	ncrb5971	ncrc4505	SEOA6046a	seob3698
FCR2198	fcrb2365	MIOA1718a	miob4367	ncr5088	ncrb6101	ncrc5241	SEOA6428	seob5376
FCR2868	fcrb2572	mioa7881	miob4802	ncr5230	ncrb7348	seoa0062m	SEOA7222a	seob5887
FCR2977	fcrb2629	MIOA8118	miob5734	ncr7008	ncrb8019	seoa0496m	SEOA7670a	seob6128
FCR4858	fcrb2696	MIOA8248	miob5887	ncrb2575	ncrc1787	SEOA1489	seoa8090	seob6130
FCR5523	hfc0787	MIOA8263	miob6195	ncrb3672	ncrc2452	SEOA1664a	SEOA8426	seob6201
FCR5944	hfc1873	MIOA8905	miob6212	ncrb4790	ncrc2671	SEOA2164	SEOA8710	seob8001
FCR7713	hfc3803	miob0068	ncr1200	ncrb5165	ncrc2995	SEOA3505a	SEOB1098	SOA0210

## 34. "ribosomal protein, large, P0 (RPLP0) "NM\_001002.1 96

BFCW0609	FCR3083	fcrb0153	hfc1191	hfc3996	hfc9708	ncr0768	ncrb5891	SEOA2101
CR0064	FCR3260	fcrb0342	hfc1286	hfc4211	MIOA0297	ncr1630	ncrb6011	SEOA3958a
CR0066	FCR3717	fcrb1070	hfc1747	hfc6452	MIOA1028	ncr3656	ncrc0529	SEOA5460
CR0729	FCR4167	fcrb1164	hfc1825	hfc6480	MIOA7553a	ncr4124	ncrc0980	SEOA6473a
FCR0316	FCR4583	fcrb1522	hfc2075	hfc6788	MIOA8913	ncr4668	ncrc2542	SEOB0174
FCR0496	FCR4705	fcrb1593	hfc2076	hfc7382	miob2401	ncr8197	ncrc4025	seob4596
FCR0543	FCR4810	fcrb1625	hfc2502	hfc7672	miob3102	ncrb0630	ncrc6507	seob5961
FCR0726	FCR5025	hfc0243	hfc2869	hfc8935	ncr0047	ncrb1496	ncrc9867	seob7126
FCR0921	FCR7177	hfc0579	HFCR3237	hfc8965	ncr0134	ncrb1797	SEOA1144a	
FCR1244	FCR7227	hfc0712	hfc3827	hfc9072	ncr0459	ncrb5292	SEOA1668a	
FCR2646	FCR7253	hfc0736	hfc3995	hfc9225	ncr0586	ncrb5580	SEOA2030	

## 35. metallothionein 1L (MT1L) NM\_002450.1 93

ncrc6596	ncrc5918	ncr2127	ncr4788	ncr7755	ncrb1129	ncrb4132	ncrc0489	ncrc7102
ncrc6590	ncrc6014	ncr2149	ncr4969	ncr7819	ncrb1396	ncrb4293	ncrc1264	ncrc9251
ncrc3899	BFCN0136	ncr2488	ncr5174	ncr8423	ncrb1418	ncrb5543	ncrc1271	ncrc9321
ncrc4109	hfc1386	ncr2770	ncr5216	ncr8551	ncrb2074	ncrb5741	ncrc1322	ncrc9843
ncrc4821	MIOA1400a	ncr2811	ncr5423	ncr9370	ncrb2719	ncrb6155	ncrc2206	SEOA4716a
ncrc5161	miob2353n	ncr2876	ncr6182	ncr9440	ncrb3091	ncrb6547	ncrc2375	
ncrc1440	miob3396	ncr3058	ncr6748	ncr9612	ncrb3344	ncrb6727	ncrc2804	
ncrc4280	miob6171	ncr3814	ncr6995	ncr9640	ncrb3354	ncrb6776	ncrc2938	
ncrc1385	miob6216	ncr3876	ncr6997	ncrb0247	ncrb3379	ncrb7481	ncrc2941	
ncrc4717	ncr1040	ncr4548	ncr7465	ncrb0358	ncrb3581	ncrb7842	ncrc3102	
ncrc6355	ncr2098	ncr4763	ncr7503	ncrb0872	ncrb3873	ncrb8546	ncrc4346	

## 36. ribosomal protein S8 (RPS8) NM\_001012.1 92

ncrc2281	FCR2962	FCR6774	hfc0896	hfc8279	ncr7864	ncrb1326	ncrc0157	seob6651
ncrc2374	FCR3382	FCR6808	hfc1293	MIOA8984	ncr8103	ncrb1716	ncrc1068	seob7389
BFC0299	FCR3564	FCR6821	hfc1785	miob1743	ncr8613	ncrb3524	ncrc1960	seob8158
BFC0479	FCR3750	FCR7116	hfc1832	miob1868	ncr8860	ncrb4575	ncrc3054	SOA0417
cr0045	FCR3840	FCR7586	hfc2857	miob2938	ncr9107	ncrb4703	ncrc7153	
CR0480	FCR3977	fcrb0622	hfc3371	ncr0436	ncr9441	ncrb4901	SEOA1511	
FCR0040	FCR4505	fcrb1210	hfc3487	ncr4108	ncr9478	ncrb5399	SEOA1957	
FCR0458	FCR5064	fcrb2130	hfc4076	ncr4530	ncr9787	ncrb5431	SEOA3580a	
FCR0563	FCR5080	fcrb2432	hfc6569	ncr6807	ncrb0319	ncrb6139	SEOA3936	
FCR0902	FCR5533	hfc0699	hfc6898	ncr7177	ncrb0380	ncrb7217	SEOA5096a	
FCR1947	FCR5894	hfc0892	hfc7176	ncr7541	ncrb1280	ncrb7374	SEOB3152	

Figure 6A – Continued

<b>37. ribosomal protein S6 M20020 92</b>								
BFC0320	fcrb0015	hfc6489	MIOA5425a	ncr2495	ncr9010	ncrc0770	SEOA3083a	seob5036
FCR0830	fcrb0745	hfc8483	MIOA7433a	ncr2727	ncr9687	ncrc1373	SEOA4171a	seob6441
FCR1415	fcrb1462	hfc8997	MIOA8112	ncr3389	ncrb0051	ncrc2700	SEOA4698a	SOA0317
FCR1483	hfc0445	hfc9195	mioa9295	ncr3460	ncrb3422	ncrc2713	SEOA5889	SOA0621
FCR3118	hfc0474	hfc9616	miob4061	ncr3765	ncrb4432	ncrc3631	SEOA7423a	
FCR3461	hfc1296	MIOA2156a	miob5431	ncr4584	ncrb5179	ncrc4353	SEOA9666	
FCR3724	hfc3034	MIOA2836a	miob6320	ncr6884	ncrb5821	ncrc6156	SEOA9990	
FCR3981	hfc3521	MIOA3231a	ncr0044	ncr7079	ncrb6185	ncrc6859	SEOB1733	
FCR4808	hfc4472	MIOA4585a	ncr0454	ncr7670	ncrb6296	ncrc9608	SEOB2001	
FCR5654	hfc6270	MIOA4837a	ncr1534	ncr7831	ncrb8667	SEOA2156n	SEOB3193	
FCR6058	hfc6442	MIOA5334a	ncr2225	ncr8892	ncrb8802	SEOA2200a	seob4277	
<b>38. ribosomal protein L21 U14957.1 91</b>								
ncrc3372	hfc0846	MIOA1131	miob6681	ncrb0632	ncrc1449	SEOA3609a	SEOB0223	seob7993
ncrc3606	hfc1209	MIOA2994a	miob6752	ncrb0945	ncrc1484	SEOA4347a	SEOB1417	seob8084
ncrc1420	hfc2528	MIOA4331a	ncr3880	ncrb2128	ncrc2166	SEOA4631a	SEOB1544	SOA0017
ncrc4279	hfc2786	MIOA4949a	ncr5510	ncrb3991	ncrc2248	SEOA4660a	SEOB1958	
CR0476	hfc2923	MIOA7549a	ncr6752	ncrb4035	ncrc2749	SEOA5409	seob3749	
FCR2339	hfc5850	MIOA8037a	ncr6964	ncrb4125	ncrc4848	SEOA6297	seob3994	
FCR3306	hfc6363	mioa9193	ncr7600	ncrb4695	ncrc5416	SEOA7119a	seob4325	
FCR5792	hfc6817	mioa9646	ncr8360	ncrb6963	ncrc6745	SEOA7316a	seob4592	
FCR6062	hfc7584	miob1718	ncr9497	ncrc0179	ncrc8927	SEOA7434a	seob6137	
FCR6192	hfc9351	miob2910	ncr9592	ncrc1006	ncrc9649	SEOA7539a	seob6212	
fcrb1950	MIOA0193a	miob6403	ncrb0365	ncrc1260	SEOA0376	SEOA9549	seob7136	
<b>39. transmembrane protein BRI AF246221.1 90</b>								
fcrb0049	MIOA3090a	MIOA6560a	mioa9822	miob6996	ncrc0632	SEOA1601a	SEOA7073a	SEOB2158
hfc0422	MIOA3475a	MIOA7251a	MIOB0564	ncr3871	ncrc1486	SEOA3828a	SEOA7556a	SEOB2226
hfc1123	MIOA3798	MIOA7289	miob0690	ncr5316	ncrc4137	SEOA5104a	SEOA8514	SEOB2744
hfc8791	MIOA3834	MIOA7597a	miob0731	ncr8081	ncrc4829	SEOA5384	SEOA9023	seob3956
MIOA0073a	MIOA3930a	MIOA8276	miob0959	ncr9770	ncrc6305	SEOA6025a	SEOA9925	seob4431
MIOA0159	MIOA4093a	MIOA8510	miob1246	ncrb2954	ncrc9601	SEOA6085a	SEOB0340	seob4673
MIOA0282	MIOA4378a	MIOA9066	miob1820	ncrb3002	ncrc9698	SEOA6167a	SEOB0368	seob5481
MIOA0877a	MIOA4608a	mioa9543	MIOB2277	ncrb3421	SEOA0517	SEOA6209a	SEOB0910a	seob7740
MIOA1666a	MIOA5090a	mioa9747	miob4821	ncrb5559	SEOA0922	SEOA6485a	SEOB0984	SOA0589
MIOA1753	MIOA6487a	mioa9786	miob6417	ncrb6226	SEOA1119a	SEOA6549a	SEOB1083	SOA0670
<b>40. ribosomal protein L13a (RPL13a) NM_012423.1 89</b>								
ncrc5322	FCR0383	FCR3398	fcrb0122	fcrb2103	hfc3523	hfc8819	ncr0827	ncrc6560
ncrc5392	FCR0587	FCR3922	fcrb0302	fcrb2128	hfc4464	hfc8835	ncr1141	ncrc9145
BFCN0001	FCR0684	FCR4901	fcrb0325	fcrb2736	hfc5962	hfc8926	ncr3815	ncrc9231
BFCN0042	FCR0945	FCR5852	fcrb0665	hfc0293	hfc6193	hfc9084	ncr9208	ncrc9835
BFCN0045	FCR1384	FCR6579	fcrb1348	hfc0332	hfc6289	hfc9139	ncrb4313	ncrc9836
BFCW0245	FCR1390	FCR7118	fcrb1356	hfc0390	hfc7356	hfc9327	ncrb4569	SEOA6153a
CR0016	FCR1929	FCR7130	fcrb1624	hfc0531	hfc7836	MIOA4107	ncrb5977	SEOA7283a
CR0307	FCR2062	FCR7375	fcrb1710	hfc2288	hfc8371	MIOB2271	ncrc0199	SEOA8985
FCR0146	FCR2243	FCR7391	fcrb1880	hfc2515	hfc8672	miob2518	ncrc5349	SEOB2294
FCR0242	FCR2621	FCR7694	fcrb1967	HFCR3141	hfc8738	MIOB2561	ncrc5939	

Figure 6A – Continued

## 41. ribosomal protein L37a L22154 87

BFCN0039	FCR2475	FCR7103	fcrb1673	hfc3882	hfc6889	MIOA8018a	ncrc2239	SEOA7150a
BFCW0137	FCR2890	FCR7241	fcrb1828	hfc3905	hfc8025	MIOA9080	ncrc3259	SEOA7308a
BFCW0422	FCR3009	FCR7354	fcrb1919	hfc4037	hfc8499	miob0060	ncrc3272	SEOA7456a
CR0006	FCR3381	fcrb0106	fcrb2063	hfc5153	hfc9001	miob1853	ncrc9276	SEOA9732
CR0217	FCR3858	fcrb0322	fcrb2072	hfc5786	hfc9415	ncr7844	ncrc9390	SEOB0113
FCR0365	FCR4399	fcrb0428	fcrb2146	hfc5964	hfc9671	ncrb0175	ncrc9948	SEOB1652
FCR0614	FCR4867	fcrb0688	fcrb2440	hfc6200	MIOA0716	ncrb2365	SEOA1977a	seob6266
FCR1101	FCR5163	fcrb1058	fcrb2461	hfc6298	MIOA1063	ncrb3599	SEOA3625a	seob6567
FCR1434	FCR6170	fcrb1208	fcrb2646	hfc6572	MIOA6115a	ncrb6759	SEOA4288a	
FCR2420	FCR6618	fcrb1343	hfc3017	hfc6775	MIOA7026a	ncrc0173	SEOA6906	

## 42. ribosomal protein S11 (RPS11) NM\_001015.1 87

BFCN0109	FCR2873	fcrb2237	hfc6381	MIOA2795a	ncr1669	ncrc0656	SEOA2155	SEOB0180
BFCN0164	FCR3380	fcrb2568	hfc6702	MIOA4019a	ncr2400	ncrc1555	SEOA3855	SEOB0459
BFCS0093	FCR4898	fcrb2631	hfc7019	MIOA5358a	ncr2926	ncrc1645	SEOA4508	SEOB1623
FCR0091	FCR5168	hfc1109	hfc7224	MIOA6131a	ncr4900	ncrc2199	SEOA4775a	seob5835
FCR0598	FCR5883	hfc1316	hfc7657	MIOA6928a	ncr7041	ncrc2772	seoa4961a	seob6838
FCR1643	FCR7519	hfc2254	hfc7872	MIOA8717	ncr7765	ncrc2939	SEOA6660a	seob8314
FCR2246	fcrb1157	hfc3935	hfc9215	mioa9207	ncrb0088	ncrc3025	seoa6773	SOA0284
FCR2280	fcrb1480	hfc4031	hfc9973	mioa9707	ncrb2540	ncrc5454	seoa6991	
FCR2636	fcrb1860	hfc4565	MIOA0415a	miob6710	ncrb3602	SEOA0089n	seoa7880a	
FCR2772	fcrb2225	hfc6209	MIOA2057	ncr0387	ncrb3829	SEOA1697a	SEOA8832	

## 43. cytochrome c oxidase subunit VIc (COX6C) NM\_004374.1 85

FCR3769	MIOA5326a	miob3241	ncr6601	ncrc6913	SEOA5028a	SEOA8208	SEOB1870	seob6767
FCR5066	MIOA5585a	miob3727	ncr8631	SEOA0022	SEOA5030a	SEOA8209	SEOB2645	seob7375
hfc9412	MIOA7097a	miob4568	ncr8846	SEOA0758	SEOA6146a	SEOA8614	SEOB2732	seob7665
MIOA0139	miob7874	miob4674	ncrb3122	SEOA1020	SEOA6194a	SEOA8656	SEOB3519	seob7957
MIOA0367a	MIOA8232	miob6222	ncrb3410	SEOA1663a	SEOA6465a	SEOA9176	seob4032	seob8279
mioa0575a	miob1117	ncr2967	ncrb5108	SEOA2514	seoa6789	SEOA9303	seob4033	
MIOA0838a	miob1273	ncr3799	ncrb7161	SEOA2927a	seoa7047	SEOA9839	seob4557	
MIOA1938a	MIOB1577	ncr5381	ncrc1290	SEOA4499	SEOA7302a	SEOB0300	seob5018	
MIOA3578a	miob2491	ncr5505	ncrc3029	SEOA4824a	seoa7972	SEOB1242	seob6069	
MIOA3975a	MIOB2712	ncr5560	ncrc6197	seoa4911a	seoa8058	SEOB1532	seob6635	

## 44. Ribosomal Protein L10 (QM Protein) (Tumor Suppressor QM) (Laminin Receptor Homolog) spP27635 85

BFCS0048n	FCR1331	FCR5580	fcrb2057	hfc3890	hfc8838	ncr7679	ncrc9189	SEOB0707a
BFCS0058	FCR1458	FCR5629	fcrb2348	hfc3982	hfc8917	ncr8150	ncrc9223	SEOB1822
BFCS0491	FCR1742	FCR5916	hfc1156	hfc4337	hfc9853	ncrb3537	SEOA1469a	seob4010
CR0354	FCR2043	FCR6327	hfc1306	hfc5193	MIOA1095	ncrb6865	SEOA5712a	seob4394
CR0453	FCR2312	FCR6626	hfc1333	hfc5799	MIOA1720a	ncrb8056	SEOA6742	seob6398
FCR0079	FCR2778	FCR7373	hfc1661	hfc7348	MIOA2736a	ncrc3787	seoa6978	
FCR0556	FCR2823	FCR7427	hfc1669	hfc7542	MIOA4313a	ncrc4900	seoa6988	
FCR0756	FCR3733	fcrb1790	hfc2062	hfc8015	MIOA6843a	ncrc5693	SEOA8379a	
FCR0991	FCR3897	fcrb1841	hfc2310	hfc8420	MIOA8515	ncrc6119	SEOA9824	
FCR1059	FCR4690	fcrb2018	hfc3861	hfc8433	ncr7020	ncrc8940	SEOB0512	

## 45. ribosomal protein L31 NM\_000993.1 84

FCR0952	FCR4215	FCR6400	fcrb1587	hfc3439	hfc5252	hfc9060	hfc9652	MIOA4895a
FCR3791	FCR5289	fcrb0284	hfc1691	hfc4078	hfc6945	hfc9123	MIOA3951a	MIOA4974a

Figure 6A – Continued

MIOA5858a	miob3781	ncr6365	ncrb4144	ncrc1491	ncrc9656	SEOA5269a	SEOB1228	seob6726
MIOA6151a	miob4463	ncr7464	ncrb4991	ncrc2416	SEOA0555A	seoa6762	SEOB1256	seob8095
MIOA6805a	ncr2554	ncr7682	ncrb5373	ncrc2665	SEOA0839	SEOA6925	SEOB3443	
MIOA7345a	ncr2832	ncr7709	ncrb5989	ncrc2735	SEOA1995	SEOA7345a	seob3667	
mioa7817a	ncr3614	ncr8349	ncrb6220	ncrc3956	SEOA2573	seoa8096	seob4351	
mioa9921	ncr3676	ncrb1063	ncrb6277	ncrc5191	SEOA2601	SEOA8321a	seob4647	
miob1118	ncr4958	ncrb1164	ncrb7092	ncrc6071	SEOA3541a	SEOA9947	seob4981	
miob3729	ncr5794	ncrb1463	ncrb7567	ncrc9083	SEOA4448a	SEOB0563	seob6335	

## 46. annexin A2 (ANXA2)(lipocortin II) NM\_004039.1

83

ncrc6847	fcrb0268	MIOB0541	ncr8869	ncrb8813	SEOA2035	SEOA5294a	SEOB0365	seob6800
ncrc7095	fcrb2393	miob5957	ncrb0015	ncrc0238	SEOA2118	SEOA5404	SEOB1016	seob8052
BFCN0172	hfcf3839	miob6422	ncrb0253	ncrc2659	SEOA2151	SEOA5786	SEOB1209	seob8287
CR0814	hfcf6846	ncr0995	ncrb1234	ncrc3859	SEOA2294a	SEOA7619a	seob2564	
FCR0148	hfcf7701	ncr1134	ncrb2271	ncrc6073	SEOA2460a	SEOA8762	SEOB2781	
FCR0200	hfcf7800	ncr1284	ncrb2405	ncrc6525	SEOA2707	SEOA8787	SEOB3025	
FCR0478	MIOA2109	ncr5458	ncrb2585	ncrc6591	SEOA3539a	SEOA8908	SEOB3184	
FCR2896	MIOA6230a	ncr5521	ncrb4027	ncrc7163	SEOA3849	SEOB0108	seob5555	
FCR6410	MIOA7313	ncr6850	ncrb5565	ncrc9281	SEOA3850	SEOB0129	seob5587	
FCR7071	mioa9212	ncr8200	ncrb7363	SEOA0067	seoa4906a	SEOB0236	seob5992	

## 47. translationally controlled tumor protein (TCTP) X16064

82

CR0235	FCR4950	hfcf0108	MIOA4926a	ncr0604	ncrc0138	SEOA2034	SEOA7154a	SEOB3382
FCR0743	FCR5099	hfcf0599	MIOA6264a	ncr2172	ncrc4170	SEOA2609	SEOA8441	SOA0249
FCR2273	FCR5935	hfcf3810	MIOA6798a	ncr5164	ncrc4323	seoa2643m	SEOA8576	
FCR2735	FCR6031	MIOA0138	MIOA7320	ncr8721	ncrc8984	SEOA4492	SEOA8742	
FCR2766	FCR6303	MIOA1107	MIOA8959	ncrb0459	SEOA0044n	SEOA5510a	SEOA9701	
FCR3436	FCR6871	MIOA1884a	MIOA9120	ncrb0687	seoa0268m	SEOA5511a	SEOB1249	
FCR3530	FCR6996	MIOA2302a	mioa9200	ncrb0952	SEOA0369	SEOA5862	SEOB1523	
FCR4260	FCR7449	MIOA3619a	mioa9553	ncrb6164	SEOA0397	SEOA6282	SEOB1523	
FCR4829	FCR7719	MIOA3917a	miob2445	ncrb8101	SEOA1899	SEOA6448a	SEOB1828	
FCR4948	hfcf0012	MIOA3960a	MIOB2667	ncrb8494	SEOA1987	SEOA6719	SEOB2650	

## 48. RIBOSOMAL PROTEIN L17 spP18621

80

BFCW0231	FCR1470	FCR5427	hfcf7001	MIOA4123	ncr9761	SEOA0818	SEOA5842	SEOA9688
CR0875	FCR1782	FCR5460	hfcf7401	MIOA6680a	ncrb2369	SEOA1344	SEOA6104a	SEOB1356
FCR0164	FCR1861	FCR6352	hfcf7491	MIOA7066a	ncrb2437	SEOA2419a	SEOA6113a	SEOB2023
FCR0222	FCR1949	FCR6884	hfcf7980	mioa9722	ncrb4612	SEOA3386a	SEOA6239	SEOB2028
FCR0412	FCR2883	FCR7228	MIOA0359a	miob3069	ncrb8229	SEOA3655a	SEOA6385	seob5955
FCR0596	FCR4060	fcfb1236	MIOA2383a	ncr0556	ncrc2071	SEOA3858	SEOA6440	seob6387
FCR0878	FCR4228	hfcf1002	MIOA3605a	ncr1803	ncrc3041	SEOA4557	SEOA7391a	seob6889
FCR0995	FCR5093	hfcf1166	MIOA3806	ncr5931	ncrc5793	SEOA5327a	SEOA9168	seob7461
FCR1321N	FCR5193	hfcf5708	MIOA3823	ncr7601	SEOA0483	SEOA5815	SEOA9587	seob8311

## 49. ribosomal protein S25 (RPS25) NM\_001028.1

79

FCR1003	FCR6522	hfcf6510	MIOA6735a	miob1214	ncr2918	ncrb6183	SEOA2596	SEOA5231a
FCR1400	fcfb0576	hfcf6917	MIOA7454a	miob3716	ncr2968	ncrc4055	SEOA3021a	SEOA6274
FCR1436	fcfb2444	hfcf7507	MIOA7502a	miob4977	ncr5553	ncrc5117	SEOA3201	SEOA6279
FCR1528	hfcf0974	MIOA0642	mioa7906	miob5094	ncr8080	ncrc9084	seoa3254m	seoa6962
FCR4138	hfcf2936	MIOA2426a	MIOA8482	miob5641	ncrb5680	ncrc9322	SEOA3776a	seoa7057
FCR4851	hfcf3072	MIOA2715a	MIOA8487	miob6744	ncrb5774	SEOA1878	SEOA4319a	SEOA7482a
FCR5169	hfcf6082	MIOA5188a	miob0371	ncr0469	ncrb6095	SEOA1915	SEOA5083a	SEOA8630

Figure 6A – Continued

SEOB0330 SEOB0441	SEOB0543 SEOB0684a	SEOB0858a SEOB0911a	SEOB1811 SEOB2145	SEOB3388 SEOB3474	seob3979 seob4303	seob4445 seob5436	seob6073 seob6787	seob7045
<b>50. collagen type XI alpha 1 (COL11A1) NM_001854.1 79</b>								
BFCN0019	FCR3061	FCR6740	fcrb1959	hfc3645	hfc39803	ncr0765	ncrb8744	SEOA1078a
BFCW0067	FCR4065	FCR7338	fcrb2337	hfc3667	MIOA1616a	ncr0862	ncrc0612	SEOA3652a
CR0981	FCR4480	fcrb0295	fcrb2427	hfc4440	MIOA2398a	ncr3972	ncrc3547	SEOA3721a
FCR1183	FCR4833	fcrb0311	fcrb2700	hfc5821	mioa9888	ncr4845	ncrc3851	SEOA5863
FCR1389	FCR4999	fcrb0718	hfc0971	hfc6956	miob1059	ncr5322	ncrc4919	SEOA8846
FCR1425	FCR5251	fcrb1524	hfc2334	hfc6981	MIOB2095	ncr8476	ncrc5211	SEOB2193
FCR1964	fcr5270n	fcrb1637	hfc2833	hfc8011	miob3187	ncrb6982	ncrc5295	seob5225
FCR2008	FCR5847	fcrb1681	hfc3379	hfc8492	miob3187	ncrb7182	ncrc6628	seob6665
FCR2481	FCR5986	fcrb1857	hfc3421	hfc9540	ncr0320	ncrb7998	SEOA0779	
<b>51. fibromodulin (FMOD) NM_002023.2 79</b>								
ncrc3689	hfc0607	MIOA6171a	miob4090	ncr8395	ncrb3446	ncrb6898	ncrc5001	SEOA3929
ncrc3688	MIOA0370a	MIOA6274a	miob4738	ncr8762	ncrb3845	ncrb6927	ncrc6146	SEOA6054a
BFCW0462	MIOA0748	MIOA6465a	ncr0409	ncr9396	ncrb3853	ncrb7552	ncrc8915	SEOB0081
FCR4298	MIOA1265	MIOA6711a	ncr0975	ncr9645	ncrb5434	ncrc0681	ncrc9183	SEOB0372
FCR4577	MIOA1553	MIOA8507	ncr1035	ncrb0925	ncrb5483	ncrc1265	ncrc9366	seob2613
FCR4915	MIOA3682a	mioa9288	ncr1261	ncrb1139	ncrb5607	ncrc3028	SEOA0274	seob4593
FCR5511	MIOA4214	mioa9725	ncr2354	ncrb1189	ncrb5636	ncrc3220	SEOA0530	seob5346
fcrb0079	MIOA5535a	miob1460	ncr4525	ncrb1680	ncrb6014	ncrc3814	SEOA0815	seob6471
fcrb2318	MIOA5961a	miob3317	ncr5756	ncrb2396	ncrb6743	ncrc3984	SEOA1331	
<b>52. collagen type IX alpha 1 (COL9A1)(ORF) NM_001851.1 78</b>								
BFCN0097	FCR1975	FCR6017	fcrb0316	fcrb2508	hfc0697	hfc2916	hfc6335	hfc9124
BFCN0239	FCR3734	FCR6469	fcrb0592	fcrb2598	hfc0840	hfc3384	hfc6362	hfc9922
CR0556	FCR3934	FCR6735	fcrb1063	hfc0044	hfc0978	hfc3764	hfc6895	ncr9432
CR0794	FCR4299	FCR6874	fcrb1199	hfc0140	hfc1075	hfc3958	hfc7353	ncrb3492
FCR0150	FCR4334	FCR7008	fcrb1628	hfc0303	hfc1167	hfc4545	hfc8399	ncrb5133
FCR1323	FCR4799	FCR7124	fcrb1670	hfc0356	hfc1235	hfc4604	hfc8501	ncrc5843
FCR1330N	FCR5027	fcrb0008	fcrb1778	hfc0398	hfc1335	hfc5086	hfc8969	ncrc6823
FCR1363N	FCR5582	fcrb0072	fcrb2079	hfc0509	hfc2069	hfc5468	hfc9033	
FCR1716	FCR5920	fcrb0266	fcrb2459	hfc0639	hfc2807	hfc5756	hfc9085	
<b>53. thioredoxin (TXN) J04026 75</b>								
FCR1367	MIOA3109a	mioa7827a	ncr2285	ncrc2111	SEOA3091a	SEOA6537a	SEOB0681a	seob6623
FCR3058	MIOA5049a	mioa7880	ncr6012	ncrc8909	SEOA3267	seoa6780	SEOB0743	seob7005
hfc0309	MIOA6508a	MIOA8233	ncr6585	ncrc9237	SEOA3457a	SEOA7464a	SEOB1475	seob7729
hfc3642	MIOA6525a	mioa9231	ncr8720	SEOA0315n	SEOA3545a	seoa8024	SEOB1591	
MIOA0947	MIOA6571a	mioa9868	ncrb3007	SEOA0432	SEOA3601a	SEOA9247	SEOB1890	
MIOA2278a	MIOA7079a	miob0922	ncrb4305	seoa1008m	SEOA4786a	SEOA9457	SEOB3116	
MIOA2697a	MIOA7290	miob5437	ncrb6218	SEOA1850a	SEOA5350	SEOA9591	SEOB3178	
MIOA2902a	MIOA7448a	miob5681	ncrb6455	SEOA2594	SEOA5964	SEOA9743	SEOB3321	
MIOA2958a	MIOA7508a	ncr2050	ncrc0668	SEOA2997a	SEOA6464a	SEOA9941	seob4248	
<b>54. ribosomal protein L37 L11567 75</b>								
BFCN0210	FCR0151	FCR1746	FCR3548	FCR7304	fcrb0253	fcrb2186	hfc0664	hfc2623
BFCN0513	FCR1302	FCR1786	FCR3829	FCR7305	fcrb1705	fcrb2657	hfc0753	HFCR3132
BFCW0114	FCR1514	FCR2443	FCR5149	FCR7354	fcrb1804	hfc0073	hfc2282	hfc3613

Figure 6A - Continued

hfc4154	hfc9649	miob6493	ncr7262	ncrb3712	ncrc9220	SEOA6906	SEOB2197
hfc7688	MIOA6216a	ncr1236	ncr8629	ncrb5379	ncrc9904	SEOA9936	SEOB2677
hfc7961	MIOA6421a	ncr1779	ncr9661	ncrc0170	SEOA1391	SEOB0390	SEOB3018
hfc7974	MIOA7049a	ncr3420	ncrb2533	ncrc1556	SEOA2490	SEOB1393	seob4744
hfc8859	miob1083	ncr5324	ncrb2548	ncrc5178	SEOA4467a	SEOB1652	seob6086
hfc9555	miob4794	ncr5723	ncrb2571	ncrc5721	SEOA5523a	SEOB1755	seob7553

## 55. "ribosomal protein S4, X-linked (RPS4X) "NM\_001007.1 71

BFC50092	FCR3761	fcrb2510	hfc2508	hfc9644	miob0940	ncr2387	ncrb0240	SEOA3972a
BFCW0574	FCR4010	fcrb2549	hfc2563	MIOA0205a	MIOB2248	ncr3579	ncrb3959	SEOA4280a
CR0312	FCR4862	fcrb2639	hfc3947	MIOA1292	MIOB2865	ncr4082	ncrb4535	SEOA4413a
CR0505	FCR5766	hfc0351	hfc5067	MIOA8695	miob4527	ncr4705	ncrb8117	SEOB0178
FCR0248	fcrb0389	hfc0682	hfc6019	MIOA8695	miob6112	ncr5887	ncrc1627	SEOB1170
FCR1343	fcrb0963	hfc0976	hfc6887	mioa9772	ncr0330	ncr9424	ncrc2180	seob7253
FCR1858	fcrb1598	hfc2027	hfc7173	miob0761	ncr0466	ncr9491	ncrc9858	seob8252
FCR2326	fcrb1849	hfc2045	hfc7642	miob0855	ncr1916	ncr0201	SEOA2799	

## 56. "NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4 (9kD, MLRQ) (NDUFA4) "NM\_002489.1 69

FCR0841	MIOA7558a	miob3832	SEOA0481	SEOA3466a	seoa6942	SEOA9155	SEOB1156	seob5356
FCR6689	MIOA8394	miob4329	SEOA1342	SEOA3547a	SEOA7243a	SEOA9171	SEOB1283	seob5449
FCR6961	MIOA9117	miob4896	SEOA1786a	SEOA4187a	SEOA7360a	SEOA9890	seob1679n	seob6192
hfc3816	mioa9728	ncr3341	SEOA1884	SEOA4736a	SEOA7461a	SEOB0095	SEOB2213	seob6514
hfc5659	mioa9961	ncrb2861	SEOA2453a	SEOA4773a	seoa7813a	SEOB0225	SEOB3145	seob7888
MIOA1307	miob0758	ncrc1472	SEOA2661	SEOA5547a	seoa8064	SEOB0363	SEOB3504	
MIOA5514a	MIOB2111	ncrc1727	SEOA2993a	SEOA5741a	seoa8065	SEOB0601	seob4470	
MIOA6662a	miob2985	SEOA0162a	SEOA3371a	SEOA6551a	seoa8072	SEOB1033	seob5245	

## 57. ribosomal protein L3 (RPL3) NM\_000967.1 69

BFCN0003	FCR4459	FCR6508	fcrb2071	hfc1714	hfc9439	miob6781	ncrc6720	SEOA7534a
BFCW0014	FCR4661	FCR6660	fcrb2188	hfc2513	hfc9550	ncr3906	ncrc8939	SEOB0216
FCR0555	FCR4772	FCR7448	fcrb2219	HFCR3228	MIOA1289	ncr8373	ncrc9244	SEOB3228
FCR1489	FCR4863	fcrb0681	fcrb2535	hfc6433	MIOA1633a	ncr8593	SEOA0402	seob3987
FCR1596N	FCR5014	fcrb0684	hfc0149	hfc6765	MIOA3451a	ncrc0110	SEOA2266a	seob4978
FCR1832	FCR5155	fcrb1322	hfc0798	hfc6896	miob0936	ncrc1064	SEOA2305a	
FCR2055	FCR5196	fcrb1388	hfc0933	hfc7828	miob4239	ncrc2189	SEOA7493a	
FCR4135	FCR5623	fcrb1577	hfc0940	hfc8908	miob5656	ncrc4926	SEOA7516a	

## 58. LINE-1 REVERSE TRANSCRIPTASE HOMOLOG (=putative p150) spP08547 68

ncrc4841	mioa9715	miob6928	ncr3330	ncr7951	ncrb3860	ncrc3159	ncrc6703	seob6148
ncrc5022	miob0184	ncr0422	ncr3468	ncr8310	ncrb6723	ncrc3204	ncrc7091	seob6182
hfc0882	miob0522	ncr0505	ncr5681	ncr9305	ncrb7313	ncrc3786	ncrc9267	seob6283
mioa0136m	miob0669	ncr0514	ncr5708	ncr9853	ncrb7775	ncrc4112	ncrc9309	seob6822
MIOA3911a	miob1725	ncr0525	ncr7128	ncrb0725	ncrb8499	ncrc4516	ncrc9564	
MIOA7295	miob3754	ncr3120	ncr7143	ncrb2043	ncrc0853	ncrc4551	seob1042	
mioa9386	miob6328	ncr3231	ncr7471	ncrb2239	ncrc1754	ncrc5181	seob3686	
mioa9402	miob6630	ncr3287	ncr7949	ncrb3587	ncrc3087	ncrc6672	seob5686	

## 59. ribosomal protein L6 X69391 66

FCR0265	FCR3740	FCR4497	FCR6827	fcrb1685	fcrb2105	hfc1252	hfc7778	MIOA1529
FCR1061n	FCR4019	FCR4779	fcrb1088	fcrb1780	fcrb2236	hfc1778	hfc9176	MIOA3177a
FCR2738	FCR4350	FCR5508	fcrb1305	fcrb2045	fcrb2315	hfc5769	hfc9226	MIOA4563a

Figure 6A – Continued

MIOA6194a	mioa9877	ncr2808	ncrb0223	ncrc0732	SEOA1155a	SEOA7568a	seob5746	
MIOA6799a	miob3620	ncr2870	ncrb6689	ncrc2295	SEOA1276a	SEOB3316	seob7309	
MIOA7132a	miob3631	ncr7349	ncrb7097	ncrc3544	SEOA5059a	seob5041	seob7870	
MIOA8936	ncr0393	ncr7770	ncrb7185	ncrc3648	SEOA5545a	seob5270	seob8172	
mioa9762	ncr1578	ncrb0037	ncrc0617	ncrc3648	SEOA5916	seob5685		
<b>60. ribosomal protein L32 (RPL32) NM_000994.1</b>				<b>66</b>				
BFC0083	FCR0886	fcrb2032	hfc2514	hfc9071	MIOA3608a	ncrb0488	ncrc1799	seob4964
BFC0389	FCR4652	fcrb2081	hfc2682	hfc9210	mioa9507	ncrb4083	ncrc2065	seob6094
BFCW0384	FCR4726	fcrb2092	hfc3773	hfc9471	mioa9664	ncrb4929	ncrc5204	
BFCW0605	FCR4875	fcrb2406	hfc4156	hfc9539	miob0777	ncrb6587	ncrc9397	
CR0042	FCR5201	fcrb2563	hfc5671	hfc9640	ncr2995	ncrb7604	SEOA5904	
CR0167	FCR5727	fcrb2705	hfc6091	hfc9663	ncr4816	ncrb7839	SEOB0167	
CR0231	FCR6443	hfc0558	hfc6213	MIOA0197a	ncr6019	ncrc0049	SEOB1114	
FCR0235	fcrb0037	hfc0605	hfc6865	MIOA1668a	ncr6375	ncrc0397	SEOB1184	
<b>61. ribosomal protein L27 (RPL27) NM_000988.1</b>				<b>65</b>				
BFCW0589	FCR4638	hfc3676	hfc9143	miob3736	ncrb4847	SEOA4009a	SEOA7083a	seob7060
cr0018n	FCR5376	hfc4166	hfc9958	miob6605	ncrb5528	SEOA4131a	seoa7753a	
FCR0890	FCR6255	hfc5037	hfc9985	ncr1992	ncrc3556	SEOA4217a	SEOA8256	
FCR2721	FCR6345	hfc5133	MIOA0698	ncr2490	ncrc6030	SEOA4838a	SEOA8256	
FCR3569	FCR7291	hfc6272	MIOA8066	ncr3363	ncrc6509	SEOA5274a	SEOB0945	
FCR3716	fcrb0327	hfc7376	MIOA8126	ncr5683	ncrc9692	SEOA5497a	seob5557	
FCR3955	hfc0089	hfc7841	MIOA8126	ncr7157	SEOA1456a	SEOA6276	seob6322	
FCR4487	HFCR3236	hfc8887	miob0789	ncr8651	SEOA3244	SEOA6461a	seob6380	
<b>62. reverse transCRiptase D84391</b>				<b>64</b>				
hfc0882	miob1725	ncr0525	ncr5708	ncr9853	ncrc0853	ncrc4551	ncrc9309	
MIOA3538a	miob3754	ncr3120	ncr7128	ncrb0725	ncrc1754	ncrc4841	ncrc9564	
mioa9386	miob6328	ncr3231	ncr7143	ncrb2043	ncrc3087	ncrc5022	seob1042	
mioa9402	miob6630	ncr3260	ncr7471	ncrb2239	ncrc3159	ncrc5181	seob5686	
mioa9715	miob6928	ncr3287	ncr7949	ncrb6723	ncrc3204	ncrc6672	seob6148	
miob0184	ncr0422	ncr3330	ncr7951	ncrb7313	ncrc3786	ncrc6703	seob6182	
miob0522	ncr0505	ncr3468	ncr8310	ncrb7775	ncrc4112	ncrc7091	seob6283	
miob0669	ncr0514	ncr5681	ncr9305	ncrb8499	ncrc4516	ncrc9267	seob6822	
<b>63. asporin (ASP) (LRR class 1) NM_017680.1</b>				<b>63</b>				
SEOA2496	miob1138	miob2889	miob6733	ncrc4009	SEOA8780	SEOB1107	seob4241	seob6474
mioa7722a	MIOB1541	miob3568	miob6919	seoa2496	SEOA9316	SEOB1634	seob4765	seob6520
mioa9267	MIOB1547	miob3821	miob7032	seoa6842	SEOB0086	SEOB1677	seob4979	seob6534
mioa9350	miob1744	miob4143	miob7035	seoa8039	SEOB0112	SEOB1776	seob5136	seob6840
mioa9361	miob1772	miob6013	ncrb1583	SEOA8671	seob0215n	SEOB1826	seob5354	seob7095
miob0652	miob1952	miob6458	ncrb4256	SEOA8694	SEOB0508	SEOB1941	seob6278	seob7492
miob1075	MIOB2094	miob6569	ncrc1221	SEOA8772	SEOB0575	SEOB2092	seob6284	seob7974
<b>64. ribosomal protein L13 AF112214</b>				<b>61</b>				
BFCN0142	FCR4845	FCR7643	fcrb2583	HFCR3206	hfc6436	hfc8534	MIOA6006a	ncr4434
BFCN0181	FCR5157	fcrb0063	fcrb2732	hfc3533	hfc7708	hfc8554	MIOA6511a	ncr5152
BFCN0216	FCR7167	fcrb0155	hfc0499	hfc4169	hfc7852	hfc9512	mioa9789	ncrb3415
FCR2501	FCR7431	fcrb0173	hfc0634	hfc5435	hfc8404	MIOA2019	miob3548	ncrb5350
FCR2838	FCR7500	fcrb1246	hfc1145	hfc5742	hfc8525	MIOA4663a	ncr0796	ncrc1893



Figure 6A – Continued

ncrc2655 ncrc6153	ncrc6522 ncrc9443	SEOA1584a SEOA3293	SEOA3331a SEOA5062a	SEOA9288 SEOB0548	SEOB0600 seob6616	seob7110 seob7990	seob8044 seob8108	
<b>65. Ribosomal protein L4 NM_000968.1 61</b>								
BFC0487	FCR6274	hfc6558	miob5649	ncr6815	ncrb5268	ncrc2391	SEOA0121	SEOA9030
FCR0500	FCR7020	hfc7492	ncr0056	ncrb1065	ncrb5780	ncrc2795	seoa0767m	seob3911
FCR0580	hfc0700	hfc7981	ncr0588	ncrb2550	ncrb6679	ncrc3086	SEOA1847a	seob4054
FCR1218	hfc2860	hfc9257	ncr2141	ncrb4648	ncrb7625	ncrc4536	SEOA3918	seob7114
FCR1386	hfc3483	mioa9255	ncr4070	ncrb5090	ncrb8104	ncrc6692	SEOA5850	seob7575
FCR1735	hfc3762	MIOB2311	ncr4661	ncrb5173	ncrc0899	ncrc7174	SEOA7275a	
FCR4879	hfc5690	miob3796	ncr5677	ncrb5195	ncrc1923	ncrc9002	seoa8030	
<b>66. ribosomal protein S29 L31610.1 59</b>								
CR0835	FCR5996	hfc7397	miob0047	ncr1388	ncrb2676	SEOA1644a	SEOA4343a	SEOA9923
FCR0342	fcrb0048	hfc8285	miob0695	ncr4424	ncrb4605	SEOA2088	SEOA4429a	SEOB2268
FCR2984	fcrb1360	hfc9634	miob0906	ncr5084	ncrb5634	SEOA2341a	SEOA4531	seob5210
FCR3877	fcrb1372	hfc9775	miob4438	ncrb0545	ncrc0480	SEOA2433a	SEOA4855a	
FCR5409	fcrb2621	MIOA5949a	miob6150	ncrb1739	ncrc0835	SEOA2529	SEOA5730a	
FCR5416	HFCR3167	MIOA6463a	ncr0253	ncrb1977	ncrc5559	seoa2782n	SEOA8365a	
FCR5744	hfc3584	MIOA8586	ncr0307	ncrb2133	ncrc9894	SEOA3872	SEOA8555	
<b>67. ribosomal protein L7a (surf 3) large subunitM36072 58</b>								
CR0292	FCR5327	hfc0540	HFCR3191	MIOA6125a	ncr2532	ncrc0633	SEOA6482a	seob4128
FCR0850	FCR5421	hfc0856	hfc5895	mioa9460	ncr5626	ncrc1864	SEOA6578a	seob7666
FCR1817	FCR5683	hfc1385	hfc6068	miob3731	ncr7001	ncrc4027	SEOA9124	
FCR2164	FCR6582	hfc1784	hfc6907	miob5118	ncr7979	ncrc4662	SEOA9639	
FCR4011	fcrb0735	hfc1789	MIOA3200a	miob5861	ncr9865	ncrc5109	SEOB1631	
FCR4039	fcrb2080	hfc1901	MIOA3730a	ncr0503	ncrb4390	ncrc6681	SEOB2216	
FCR5047	hfc0384	HFCR3152	MIOA4487a	ncr1651	ncrb5591	SEOA3041a	SEOB3483	
<b>68. transforming growth factor beta-induced, 68kD (TGFB1) "NM_000358.1 58</b>								
FCR1324*	ncr5219	SEOA2298a	SEOA3796a	SEOA5218a	SEOA7347a	SEOA9356	SEOB2275	seob6500
FCR3283	ncrc1237	seoa2576m	SEOA3906	SEOA5407	SEOA7424a	SEOA9493	SEOB3047	seob7572
hfc3625	ncrc3047	SEOA3015a	SEOA4655a	SEOA5591a	SEOA7911a	SEOA9733	SEOB3115	
MIOB2862	ncrc5571	SEOA3296	SEOA4755a	SEOA6003a	SEOA8708	SEOB0110	SEOB3192	
miob5796	SEOA1251A	SEOA3458a	SEOA4799a	SEOA6006a	SEOA8969	SEOB0151	SEOB3307	
miob6897	SEOA1600a	SEOA3473a	SEOA5069a	SEOA6158a	SEOA9145	SEOB0465	seob4133	
ncr2025	SEOA2236a	SEOA3583a	SEOA5217a	seoa7024	SEOA9297	SEOB0970	seob5157	
<b>69. ribosomal protein L30 L05095.1 57</b>								
ncrc3521	FCR2784N	hfc0257	hfc7426	MIOA4217	ncr9147	ncrc3196	SEOA7143a	SOA0473
ncrc3617	FCR5850	hfc1279	hfc8413	MIOA5663	ncrb1231	ncrc3999	SEOA7479a	
BFCN0270	FCR6117	hfc2267	hfc8945	miob0045	ncrb2177	SEOA0957	SEOB1458	
CR0296	FCR6872	HFCR3194	hfc9160	miob0952	ncrb2576	SEOA3967a	SEOB1471	
CR0587	fcrb2143	HFCR3212	hfc9784	ncr3598	ncrb5470	SEOA4789a	SEOB1496	
FCR0159	fcrb2493	hfc3872	MIOA3332a	ncr6079	ncrc0553	SEOA4887a	seob7948	
FCR0963	fcrb2602	hfc4494	MIOA3955a	ncr8767	ncrc2711	SEOA5601a	SOA0002	
<b>70. ribosomal protein S12 X53505 57</b>								
BFCN0203	BFC0314	BFCW0072	BFCW0372	FCR0055	fcr0063n	FCR2716	FCR3270	FCR4686

Figure 6A – Continued

FCR4945	fcrb0156	fcrb1497	hfcR3892	hfcR7644	ncr4970	ncrb4753	seoa1017m
FCR6109	fcrb0221	fcrb1700	hfcR6693	hfcR9594	ncr6819	ncrb5760	SEOA4041a
FCR6428	fcrb0315	fcrb2632	hfcR6805	MIOA1587	ncrb0375	ncrc0025	SEOA5967a
FCR7102	fcrb1076	fcrb2737	hfcR7063	mioa7858	ncrb2424	ncrc1216	SEOA6746
FCR7625	fcrb1166	hfcR0657	hfcR7408	miob7036	ncrb2692	ncrc2556	SEOA9067
fcrb0025	fcrb1482	hfcR2806	hfcR7537	ncr2762	ncrb4310	ncrc3749	SOA0347

## 71. ribosomal protein L23 NM\_000978.1 55

BFCN0007	fcrb1414	hfcR7082	ncr3372	ncrb3708	ncrc0190	ncrc2924	SEOB1171
CR0028	fcrb1533	hfcR7520	ncr3431	ncrb4203	ncrc1121	ncrc2958	seob3662
CR0275	fcrb1554	hfcR8513	ncr4005	ncrb4672	ncrc1147	ncrc4856	seob4438
FCR1138	fcrb1844	hfcR9036	ncr7080	ncrb5176	ncrc1352	ncrc9467	seob4867
FCR4605	fcrb2247	mioa9808	ncr7095	ncrb6617	ncrc1467	SEOA6873	seob4872
FCR4700	hfcR4054	ncr0742	ncrb1419	ncrb7787	ncrc2168	SEOA6926	seob5284
fcrb0326	hfcR5011	ncr2450	ncrb1995	ncrb8132	ncrc2516	SEOA9268	seob5424

## 72. ribosomal protein S13 NM\_001017.1 55

BFCN0256	fcrb2586	hfcR7670	MIOA8714	ncr6681	SEOA6214a	SEOA9404	SEOB2981
CR0941	fcrb2689	hfcR7932	miob1202	ncr6870	SEOA6496a	SEOA9573	seob3969
FCR0586	hfcR0946	hfcR9610	miob4654	ncrb5584	SEOA6667a	SEOA9895	seob5488
FCR2807	hfcR1810	MIOA0330n	miob5859	ncrb7473	SEOA6720	SEOB0107	seob6005
FCR3656	hfcR5469	MIOA6099a	ncr0926	ncrb7759	SEOA7501a	SEOB0624	seob6784
FCR4037	hfcR6927	MIOA6170a	ncr2363	ncrc7139	seoa8082	SEOB1869	seob8164
FCR6479	hfcR7031	MIOA8677	ncr5093	SEOA5810	SEOA8571	SEOB2078	

## 73. "hexabrachion (tenascin C, cytactin) (HXB) "NM\_002160.1 55

fcrb2028	miob0111	ncrb4081	SEOA0480	SEOA6331	SEOA9341	SEOB2053	seob5533
hfcR0679	miob1389	ncrb7059	SEOA1296a	seoa7021	SEOA9558	SEOB2082	seob5838
hfcR6406	MIOB1519	ncrc0973	SEOA2357a	seoa7959	SEOA9882	SEOB2225	seob5956
hfcR6627	miob3932	ncrc0999	SEOA4599	seoa7968	SEOB0293	SEOB3281	seob6378
MIOA0613a	ncr0025	SEOA0179a	SEOA5093a	seoa8009	SEOB1685	SEOB3447	seob7144
MIOA2181a	ncrb0076	SEOA0218a	SEOA5366	SEOA8620	SEOB1781	SEOB3584	SOA0442N
MIOA2246a	ncrb1455	SEOA0460	SEOA6079a	SEOA9325	SEOB1935	seob4389	

## 74. ribosomal protein S24 M31520 54

CR0682	FCR3912	fcrb1286	hfcR6040	MIOA1654a	miob3637	ncr6633	SEOA4352a	SEOA9827
FCR0161	FCR5082	hfcR0815	hfcR8029	MIOA5416a	miob4409	ncr7525	SEOA4494	SEOA9843
FCR0193	FCR5213	hfcR1688	hfcR8277	MIOA7536a	miob6201	ncrb8345	SEOA7395a	SEOB1917
FCR1971	FCR5870	hfcR4174	hfcR9277	mioa9623	ncr0323	ncrc1358	seoa7846a	seob4523
FCR2813	FCR6136	hfcR4816	hfcR9896	mioa9700	ncr3055	ncrc4163	SEOA8560	seob4866
FCR3430	FCR6932	hfcR5082	MIOA0246a	miob1713	ncr5725	SEOA1087a	SEOA9089	seob8072

## 75. cartilage link protein (CRTL1) U43328.1 54

ncrc4577	FCR6309	hfcR0979	hfcR8053	ncr0193	ncr6991	ncr9551	ncrb5231	ncrc6252
ncrc4602	FCR6669	hfcR2918	hfcR8584	ncr0935	ncr7109	ncr9566	ncrb8053	ncrc6679
BFCN0006	fcrb0409	hfcR4100	hfcR8602	ncr0985	ncr7451	ncr9811	ncrc1005	ncrc6804
CR0196	fcrb1038	hfcR4438	hfcR9366	ncr2987	ncr7788	ncrb0423	ncrc1610	ncrc4577
FCR0818	fcrb1853	hfcR5807	MIOA9154	ncr3922	ncr9362	ncrb1555	ncrc4201	ncrc4602
FCR2128	hfcR0638	hfcR7538	miob0708	ncr5056	ncr9395	ncrb2864	ncrc4924	SEOA8956

Figure 6A – Continued

<b>76. "actin, beta (ACTB) "NM_001101.2 53</b>								
BFC0541	FCR0233	FCR6433	hfc05579	miob6242	ncr7430	ncrb4668	ncrb7747	ncrc4876
CR0054	FCR0767	fcrb0617	hfc06706	ncr2461	ncr8795	ncrb5255	ncrb8144	ncrc9113
CR0359	FCR2620	hfc0305	hfc06900	ncr3648	ncrb0064	ncrb5509	ncrb8159	SEOA9991
CR0873	FCR3097	hfc02832	MIOA2341a	ncr5377	ncrb0567	ncrb6755	ncrb8323	SEOB0709a
CR0944	FCR4029	HFCR3125	MIOA2621	ncr6931	ncrb2169	ncrb7282	ncrc1603	seob5132
CR1028	FCR4755	hfc04325	MIOA7237a	ncr7407	ncrb4442	ncrb7284	ncrc1719	
<b>77. Ribosomal protein L36 (=RPL44)AF077043.1 53</b>								
BFCN0045	FCR1503	FCR6206	hfc08568	mioa9590	ncr0097	ncrb4370	seoa7851a	seob4623
BFCN0202n	FCR2123	FCR7286	hfc08976	miob0139	ncr0847	ncrb6223	SEOB0585	seob5429
FCR0099	FCR2543	fcrb1449	MIOA3482a	miob3799	ncr2270	ncrb8088	SEOB1267	seob7061
FCR0558	fcr3368n	fcrb1923	MIOA3912a	miob3894	ncr3305	ncrc2298	SEOB1596	seob7264
FCR0855	FCR4617	fcrb2739	MIOA5618a	miob4540	ncr4575	ncrc2976	SEOB2954	seob7466
FCR1203	FCR4872	hfc0980	MIOA6960a	miob6079	ncr6711	SEOA4202a	SEOB2967	
<b>78. ribosomal protein S17 M13932 52</b>								
BFCN0222	FCR2769	fcrb2403	hfc0977	hfc06084	miob0829	ncr4754	ncrb7749	SEOA9500
CR0050	FCR4781	fcrb2434	hfc1290	hfc06919	miob4009	ncr6756	ncrb8512	SEOB1433
CR0414	FCR6358	hfc0363	hfc2081	hfc09441	miob6646	ncrb6716	ncrc2035	seob3647
CR0590	FCR6532	hfc0625	hfc2713	hfc09609	ncr0697	ncrb7004	SEOA2797	seob6105
fcr1019nn	fcrb1579	hfc0632	hfc2935	MIOA3987a	ncr1219	seoa7870a	ncrb7221	
FCR1771	fcrb2016	hfc0813	HFCR3218	MIOA6057a	ncr3787	ncrb7353	SEOA9471	
<b>79. cytokine-like protein C17 NM_018659.1 51</b>								
ncrc3898	miob2535	ncr1310	ncr3855	ncr7165	ncrb1094	ncrb4927	ncrc1080	ncrc5090
ncrc4120	miob2963	ncr2140	ncr3859	ncr8805	ncrb1488	ncrb4939	ncrc1700	ncrc5444
mioa7725a	miob3172	ncr2480	ncr4721	ncr8879	ncrb1671	ncrb6021	ncrc2323	ncrc5871
MIOA9129	miob3774	ncr2708	ncr5349	ncr9169	ncrb2739	ncrb7176	ncrc2881	
mioa9529	miob5605	ncr2854	ncr5976	ncrb0117	ncrb3147	ncrc0120	ncrc4179	
miob1268	ncr0269	ncr3483	ncr6769	ncrb0721	ncrb3851	ncrc0437	ncrc4284	
<b>80. PRO2003 AF116679.1 51</b>								
ncrc2304	hfc0863	hfc07648	hfc09706	ncr5471	ncrb2836	ncrc0213	SEOB1777	seob5987
ncrc2307	hfc0893	hfc07953	hfc09915	ncr9022	ncrb3389	ncrc0910	SEOB2111	seob6329
ncrc3994	hfc02499	hfc08001	miob0264	ncr9343	ncrb6969	ncrc3257	SEOB2276	seob7459
ncrc4141	hfc06104	hfc08210	miob6220	ncrb0677	ncrb7780	ncrc9515	seob4314	
ncrc4476	hfc06542	hfc08910	ncr1797	ncrb2135	ncrb7836	SEOB0080	seob5004	
ncrc4593	hfc06725	hfc09559	ncr2467	ncrb2834	ncrb8723	SEOB1463	seob5541	
<b>81. prothymosin alpha M14630 51</b>								
CR0302	FCR3466	hfc01734	MIOA2416a	miob1793	ncrb6724	SEOA2613	SEOA9772	seob6179
CR0768	FCR5068	HFCR3097	MIOA3296a	miob5650	ncrc0481	SEOA4152a	SEOA9944	seob6795
FCR0469	FCR6419	HFCR3148	MIOA4615a	miob6633	ncrc4208	SEOA6138a	SEOA9978	SOA0630
FCR0611	fcrb0952	hfc04600	MIOA5169a	ncr1756	ncrc7100	SEOA6683a	SEOB0522	
FCR1133	fcrb1532	hfc08455	miob0457	ncr2091	ncrc8969	SEOA7329a	SEOB3176	
FCR3022	hfc01133	hfc08906	miob0688	ncr8485	ncrc9527	SEOA9322	seob5676	

Figure 6A - Continued

<b>82. tumor rejection antigen (gp96) 1 (TRA1) X15187</b>		<b>51</b>						
FCR2424	hfc2017	MIOA5601a	MIOB2798	miob5436	ncr8443	SEOA0899	SEOA9754	seob7485
FCR4949	hfc3736	MIOA6103a	miob3367	miob6085	ncr8848	seoa1357m	SEOA9919	seob7970
FCR5092	hfc4140	MIOA6704a	miob3975	miob6175	ncrb5222	SEOA2148n	SEOB1422	SOA0327
FCR7473	hfc5481	MIOA7467a	miob4069	miob6184	ncrc2842	SEOA3353a	seob6151	
FCR7642	MIOA2495a	MIOA8468	miob4412	miob6763	ncrc3133	SEOA6403	seob6549	
fcrb1656	MIOA2777a	miob0951	miob4883	ncr7371	ncrc5240	SEOA8275	seob7328	
<b>83. "actin, gamma 1 (ACTG1) "NM_001614.1</b>		<b>51</b>						
BFC0504	FCR0595	fcrb0427	hfc3576	hfc6740	hfc9960	ncrb1137	ncrc9679	seob6869
BFCW0404	FCR2311	fcrb1075	hfc4467	hfc6797	MIOA8852	ncrb2109	ncrc9850	seob7563
BFCW0558	FCR2503	fcrb1487	hfc4476	hfc7025	miob0933	ncrb7748	SEOA0412	SOA0673
FCR0273	FCR3102	fcrb1937	hfc5166	hfc8387	miob3532	ncrc0240	SEOA5639a	
FCR0438	FCR3478	hfc1183	hfc6471	hfc8409	ncr6706	ncrc0623	SEOA6908	
FCR0525	FCR3637	hfc3491	hfc6619	hfc9933	ncr9365	ncrc4043	seob5705	
<b>84. ferritin heavy chain L20941.1</b>		<b>50</b>						
FCR6907	MIOA5974a	ncr6856	SEOA0589a	SEOA2861	SEOA4496	seoa6960	SEOA9191	seob8263
fcrb0752	miob1004	ncr9053	SEOA1715a	SEOA3043a	SEOA4539	seoa6965	SEOB3562	seob8333
hfc1741	miob2883	ncrb1223	SEOA1919n	seoa3177m	SEOA5126a	SEOA7227a	seob3681	
hfc9236	miob2961	ncrb3177	SEOA2019	SEOA3573a	SEOA5165a	seoa8115	seob5030	
MIOA5834a	miob3041	ncrb6581	SEOA2238a	SEOA4032a	SEOA6228	SEOA8690	seob5347	
MIOA5930a	ncr5675	SEOA0581	SEOA2241a	SEOA4495	SEOA6257	SEOA8691	seob7869	
<b>85. PRO2853 AF119905.1</b>		<b>50</b>						
ncrc6233	miob0751	ncrb0660	ncrb1530	ncrb4708	ncrc0297	ncrc3873	ncrc9561	seob6864
ncrc7150	miob1376	ncrb0759	ncrb2189	ncrb4836	ncrc0399	ncrc4670	ncrc9703	seob7315
mioa7731a	miob2945	ncrb1235	ncrb2601	ncrb6809	ncrc0561	ncrc5067	ncrc9804	
mioa9306	miob3459	ncrb1300	ncrb3152	ncrb7647	ncrc1632	ncrc5910	SEOB1109	
mioa9758	miob4938	ncrb1394	ncrb3165	ncrb7987	ncrc2580	ncrc6356	SEOB2762	
miob0742	miob6344	ncrb1487	ncrb3522	ncrc0263	ncrc3304	ncrc9005	SEOB3079	
<b>86. ribosomal protein L5 U76609</b>		<b>48</b>						
BFCW0010	FCR4848	fcrb1390	hfc4122	MIOA8734	miob4246	ncrb2963	SEOB1903	
CR0394	FCR5515	hfc0494	hfc5240	miob1093	miob6302	ncrb7950	seob3692	
CR0874	FCR5987	hfc1208	hfc8222	MIOB2121	miob6386	ncrc1138	seob3972	
FCR0332	FCR7697	hfc1272	hfc8452	MIOB2789	ncr1492	ncrc3238	seob4595	
FCR2853N	fcrb1035	hfc1682	hfc9774	miob4056	ncr5412	ncrc9912	seob4864	
FCR4096	fcrb1138	hfc2509	MIOA6875a	miob4211	ncrb1521	SEOA1118a	seob7667	
<b>87. nribosomal protein L26 X69392</b>		<b>48</b>						
bfcw0519	FCR5982	hfc1112	MIOA1704a	miob2515	ncrb2182	seoa4905a	SEOB0278	
CR0351	FCR6554	hfc1225	MIOA1780	miob3428	ncrb6350	SEOA6501a	SEOB0646a	
CR0532	FCR6916	hfc2743	MIOA2056	miob3454	ncrb6976	SEOA6533a	SEOB1528	
FCR0868	fcrb1730	hfc3589	MIOA2332a	miob4406	ncrc5956	SEOA7171a	SEOB2643	
FCR4049	hfc0962	hfc9444	MIOA3991a	miob5941	ncrc9294	seoa7859a	SEOB3118	
FCR4578	hfc1093	hfc9704	MIOA5747a	ncrb1141	SEOA4119a	SEOA9571	seob4349	

Figure 6A – Continued

## 88. "ribosomal protein, large, P1 (RPLP1) "NM\_001003.1 48

BFCW0055	FCR0729	FCR3492	FCR5330	fcrb1647	hfc3588	hfc7866	miob1255
BFCW0412	FCR1117N	FCR3812	FCR6800	fcrb2174	hfc3651	hfc9473	ncr0336
CR0283	FCR1286	FCR4095	FCR7069	hfc0922	hfc4027	hfc9661	SEOA4147a
CR0859	FCR1831	FCR4232	fcrb0204	hfc1074	hfc5767	hfc9696	SEOB3513
CR0861	FCR2186	FCR4264	fcrb1313	hfc1875	hfc6675	MIOA1273	seob6226
FCR0667	FCR2694	FCR4340	fcrb1505	hfc3542	hfc7578	MIOA1790	seob7978

## 89. ribosomal protein L11 L05092.1 48

BFCW0433	FCR2602	fcrb1541	hfc3869	MIOA6598a	ncr7355	ncrb7480	SEOA5534a
CR0545	FCR3500	hfc0573	hfc5796	ncr2533	ncrb0789	ncrc1008	SEOA6566a
CR0830	FCR4655	hfc1894	hfc6105	ncr3037	ncrb2295	ncrc2731	SEOA8322a
FCR0167	FCR4842	hfc1896	hfc6522	ncr3083	ncrb3967	ncrc4222	SEOB0912a
FCR0471	FCR7248	hfc2588	hfc8362	ncr3874	ncrb6272	ncrc4419	seob2548
FCR1540	FCR7477	hfc2628	hfc9731	ncr4339	ncrb7479	SEOA1885	seob8315

## 90. "guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1 (GNB2L1) "NM\_006098.1 48

FCR0068	FCR2537	hfc0338	hfc8458	miob1071	ncr8620	ncrb5828	ncrc1735
FCR0603	FCR2633	hfc0399	hfc8507	ncr2251	ncrb2728	ncrb6304	ncrc2045
FCR0765	FCR4805	hfc3802	hfc9053	ncr3962	ncrb3965	ncrb6391	ncrc4250
FCR1289	fcrb1688	hfc5246	MIOA1401a	ncr5713	ncrb4362	ncrc1152	SEOA3128a
FCR1466	fcrb1925	hfc6291	MIOA9171	ncr5758	ncrb4487	ncrc1200	seoa7861a
FCR2096	fcrb2086	hfc7018	miob0932	ncr6203	ncrb4934	ncrc1204	seob3908

## 91. vitamin A responsive cytoskeleton related (JWA) NM\_006407.2 47

MIOA0651	MIOA6790a	MIOB2216	ncr0376	ncrc0387	SEOA1289a	SEOA8380a	seob6827
MIOA1315a	MIOA7042a	miob2420	ncr2407	ncrc4304	SEOA1784a	SEOA9197	seob7310
MIOA2681a	MIOA7194a	miob3029	ncr2413	ncrc5456	SEOA2439a	SEOA9517	seob7541
MIOA3400a	MIOA7246a	miob3457	ncr2442	ncrc6712	SEOA3816a	SEOA9791	seob8040
MIOA5825a	MIOA8806	miob5724	ncrb2543	ncrc6908	SEOA4734a	SEOB1085	soa0240n
MIOA6569a	miob0794	miob6274	ncrb2617	SEOA0336	seoa7058	SEOB1337	

## 92. HSPC312 (ORF) = AF161428.1 (=HSPC310)AF161430 47

MIOA1274m	miob3060	ncr2595	ncr7344	ncrb4119	ncrc2448	ncrc6670	SEOB3066
miob0100	miob3656	ncr3182	ncr7350	ncrb4347	ncrc2953	ncrc7049	SEOB3514
miob1291	miob5122	ncr3989	ncr9923	ncrb6046	ncrc3813	ncrc9877	seob3699
miob1869	miob5762	ncr5115	ncrb2076	ncrb7830	ncrc3928	SEOA4771a	seob7027
miob2402	ncr1390	ncr5176	ncrb2748	ncrb7914	ncrc4317	SEOA9480	seob7744
miob2436	ncr2560	ncr5477	ncrb3902	ncrb8016	ncrc4428	SEOA9572	

## 93. H factor 1 (complement) (HF1) NM\_000186.1 47

FCR4832	MIOA6523a	miob1113	ncr1313	ncr7734	ncrc0663	ncrc9585	SEOB1216
MIOA0119	MIOA7036a	MIOB2080	ncr5158	ncr8426	ncrc1852	SEOA4625a	seob4628
MIOA1338a	miob0465	miob6360	ncr5182	ncrb4282	ncrc3002	SEOA5210	seob6372
MIOA2593a	miob0692	miob6948	ncr5401	ncrb6766	ncrc6363	SEOA7182a	seob6426
MIOA4422	miob0709	miob6978	ncr6099	ncrb7494	ncrc6476	SEOB0200	seob7338
MIOA6504a	miob1111	miob7041	ncr6912	ncrb8592	ncrc6936	SEOB0972	

Figure 6A – Continued

## 94. mimecan (OGN) (OIF) AF202167.1

45

FCR5442	MIOA2568a	miob3974	miob5983	ncrb5896	seoa6793	SEOA8250	SEOB3214	seob6287
MIOA0852a	MIOA5495a	miob3980	miob6107	SEOA2992a	seoa6802	SEOA9718	SEOB3245	seob6713
MIOA1588	MIOA7387a	miob4952	miob6295	SEOA3954a	SEOA7427a	SEOA9909	seob3718	seob8240
MIOA1841a	mioa9465	miob5001	miob6776	SEOA4828a	SEOA7597a	SEOB1081	seob4882	SOA0121
MIOA2415a	mioa9991n	miob5063	miob6848	SEOA5869	seoa7704a	SEOB1505	seob6218	SOA0256

## 95. "S100 calcium-binding protein A4 (calcium protein, calvasculin, metastasin, murine placental homolog) (S100A4) " gi4506764 44

hfc9607	mioa7809a	miob3176	ncr4603	ncrb3097	ncrc4492	seoa4916a	SEOA8418	seob5333
MIOA5003a	MIOA8229	miob6915	ncr5163	ncrc0506	ncrc4844	SEOA6170a	SEOA9037	seob5358
MIOA6456a	MIOA8842	ncr0184	ncr8139	ncrc0512	ncrc6478	SEOA6894	SEOA9758	seob6018
MIOA6540a	miob0016	ncr0347	ncr8280	ncrc2974	ncrc9115	seoa7740a	SEOB1119	seob6747
MIOA6878a	miob0661	ncr2603	ncrb2310	ncrc4228	ncrc9469	SEOA8193a	seob4697	

## 96. annexin I (lipocortin I) (ANX1) =X05908 (ORF) NM\_000700.1

44

MIOA4681	miob1144	miob6267	ncrb8153	SEOA4421a	SEOA8765	SEOB0182	SEOB3077	seob4737
MIOA4682	miob1443	ncr2764	ncrc1587	SEOA4510	SEOA8920	SEOB0694a	SEOB3508	seob5733
MIOA5996a	miob3338	ncr3620	ncrc3589	SEOA4561	SEOA9429	SEOB1150	SEOB3576	seob6644
MIOA8978	miob3822	ncr6739	ncrc4011	SEOA4636a	SEOA9838	SEOB2284	seob3756	SOA0340
miob0431	miob5843	ncr7042	ncrc5982	seoa7739a	SEOA9927	SEOB2734	seob3943	

## 97. glyceraldehyde 3-phosphate dehydrogenase (GADPH) J02642

44

BFCN0082	FCR0905	FCR1777	FCR3113	FCR6586	fcrb2285	hfc2318	hfc6340	hfc9317
BFCW0520	FCR1515N	FCR1891	FCR3705	FCR7546	fcrb2494	hfc2864	hfc6855	miob4702
CR0685	FCR1516	FCR2240	FCR4159	fcrb0710	hfc0405	hfc3524	hfc7453	ncrb2952
FCR0310	FCR1729	FCR2283	FCR4860	fcrb1584	hfc1711	hfc3936	hfc7845	ncrc4936
FCR0755	FCR1772	FCR2688	FCR5194	fcrb1900	hfc1859	hfc6120	hfc8879	

## 98. ribosomal protein L27A AB020236.1

44

BFCW0194	FCR3185	FCR6429	fcrb1391	hfc2221	HFCR3190	hfc6994	ncr6910	ncrb5446
BFCW0258	FCR3868	FCR6751	fcrb2254	hfc2271	hfc3405	hfc7069	ncr7368	ncrc4888
CR0469	FCR4626	FCR6894	hfc0569	hfc2793	hfc3991	hfc7436	ncr8555	SEOB0042
FCR1818	FCR4783	FCR6960	hfc2071	hfc2837	hfc3994	hfc8887	ncr8813	seob7953
FCR3092	FCR6389	FCR7206	hfc2074	hfc3015	hfc4527	MIOA6389a	ncrb5445	

## 99. HSPC310 (=HSPC312) AF161428.1

44

MIOA1274 m	miob3060	ncr2595	ncr5477	ncrb2748	ncrb7830	ncrc3813	ncrc7049	SEOB3066
miob0100	miob3656	ncr3182	ncr7344	ncrb3902	ncrb7914	ncrc3928	ncrc9877	SEOB3514
miob1291	miob5762	ncr3989	ncr7350	ncrb4119	ncrb8016	ncrc4317	SEOA4771a	seob3699
miob2402	ncr1390	ncr5115	ncr9923	ncrb4347	ncrc2448	ncrc4428	SEOA9480	seob7027
miob2436	ncr2560	ncr5176	ncrb2076	ncrb6046	ncrc2953	ncrc6670	SEOA9572	

## 100. "calmodulin 2 (phosphorylase kinase, delta) (CALM2) "NM\_001743.1

43

MIOA4349a	MIOA6831a	miob1860	miob3925	miob5683	ncr3101	ncrc5420	SEOA4137a	seob3862
MIOA4903a	MIOA6891a	miob1860	miob3945	miob5852	ncr7322	ncrc5420	SEOA4741a	seob4267
MIOA5237a	mioa9624	miob3025	miob4048	miob5868	ncr9323	SEOA0129	SEOA5470a	seob5979
MIOA5257a	miob0055	miob3025	miob4203	miob5962	ncrb3028	SEOA2708	SEOB0082	
MIOA5684	miob1747	miob3272	miob4335	miob6050	ncrb3028	SEOA3862	SEOB0082	

Figure 6A – Continued

## 101. ribosomal protein L39 D79205

43

FCR0169	fcrb1442	hfc0588	MIOA0909a	ncrb0203	ncrc2237	SEOA1576a	SEOB2249	seob4528
FCR4623	fcrb2397	hfc4463	MIOA1466	ncrb0676	ncrc3575	SEOA2383a	SEOB2265	seob5190
FCR7745	fcrb2433	hfc5670	MIOA3141a	ncrb2887	ncrc4675	seoa7729a	SEOB3211	seob6270
fcrb0093	fcrb2727	hfc6113	MIOA6469a	ncrb4817	ncrc5035	SEOA9773	SEOB3491	
fcrb0418	hfc0527	hfc6803	ncr0178	ncrc1387	ncrc5546	SEOB1785	seob3937	

## 102. ascent-polypeptide-associated complex alpha polypeptide (NACA) NM\_005594.1

43

BFCW0500n	hfc7955	MIOA6720a	miob1801	ncrb4406	SEOA1089a	SEOA4848a	SEOA9335	SEOB3122
FCR4155	MIOA2196a	MIOA8169	miob2463	ncrc2607	SEOA1200A	SEOA7105a	SEOA9832	SEOB3278
FCR6870	MIOA2899a	mioa9297	miob4817	ncrc2971	SEOA1451a	SEOA8438	SEOB1282	seob7977
fcrb2218	MIOA3466a	miob1000	miob7039	ncrc4852	SEOA4554	SEOA8524	SEOB2746	
hfc1318	MIOA5983a	miob1267	ncrb2888	ncrc9274	SEOA4719a	SEOA9110	SEOB2793	

## 103. ribosomal protein L44 (RPL44)NM\_001001.1

42

BFCN0045	FCR4872	hfc0872	MIOA3912a	miob3799	ncrb6223	seoa7851a	SEOB2954	seob7264
BFCN0202n	FCR7465	hfc0980	MIOA5618a	miob3894	ncrb8088	SEOA9692	SEOB2967	seob7466
FCR0099	fcrb1449	hfc1192	MIOA6960a	miob4540	ncrc2298	SEOB0585	seob4623	
FCR1203	fcrb1923	hfc8976	mioa9590	miob6079	ncrc2976	SEOB1267	seob5429	
FCR2543	fcrb2739	MIOA3482a	miob0139	ncr3305	SEOA4202a	SEOB1596	seob7061	

## 104. ubiquitin A-52 residue ribosomal protein fusion product 1 (UBA52) gi4507760

42

FCR1156	hfc8751	ncr0856	ncr5947	ncr8504	ncrb2211	ncrb8366	ncrc5588	SEOA2256a
fcrb2195	hfc9421	ncr2763	ncr6957	ncrb0543	ncrb2283	ncrc1308	ncrc6359	SEOA7124a
hfc2641	MIOA6428a	ncr5097	ncr7877	ncrb1157	ncrb3887	ncrc3328	ncrc7039	
hfc5099	ncr0272	ncr5519	ncr7888	ncrb1596	ncrb5153	ncrc4065	ncrc9400	
hfc5626	ncr0411	ncr5863	ncr8089	ncrb2146	ncrb5242	ncrc4634	ncrc9980	

## 105. BFCN0171cartilage matrix protein (CMP) geneM55682.1

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BFCN0501	FCR0537	FCR2673	FCR4415	FCR6900	fcrb2212	hfc3954	hfc6327	hfc9028
BFCW0329	FCR0976	FCR3169	FCR5724	fcrb0121	hfc2626	hfc4662	hfc6557	
CR0256	FCR1017	FCR3839	FCR5973	fcrb1122	hfc2950	hfc5095	hfc6671	
FCR0322	FCR1119	FCR4097	FCR6498	fcrb1133	hfc3631	hfc6033	hfc6842	
FCR0353	FCR2178	FCR4404	FCR6739	fcrb2015	hfc3652	hfc6275	hfc8946	

## 106. TSC-22 protein U35048

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fcrb0349	hfc6448	MIOA5175a	miob1797	ncr1247	ncrb3821	ncrc5347	SEOA5264a	seob4041
hfc1866	hfc6635	MIOA6889a	MIOB2751	ncr1471	ncrb8237	ncrc5607	SEOA7394a	seob8258
hfc2723	hfc9358	MIOA7092a	MIOB2875	ncr4524	ncrb8665	ncrc6092	SEOA9623	
hfc3050	MIOA0245a	mioa9403	miob6391	ncr4640	ncrc1704	ncrc7008	SEOB0596	
hfc5167	MIOA2648	miob0277	miob6739	ncr4787	ncrc2593	SEOA4366a	seob3680	

## 107. "mitochondrial genes for several tRNAs (Phe, Val, Leu) and 12S and 16S ribosomal RNAs "V00710.1

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miob1690	ncrb1220	ncrb1436	ncrb3324	ncrb6400	ncrb7449	ncrb8234	ncrc0920	ncrc9849
ncrb0803	ncrb1243	ncrb1485	ncrb3434	ncrb6504	ncrb7660	ncrc0260	ncrc0926	ncrc9972
ncrb0943	ncrb1318	ncrb1486	ncrb3504	ncrb6590	ncrb7753	ncrc0267	ncrc0934	
ncrb1115	ncrb1363	ncrb2658	ncrb3841	ncrb6650	ncrb7855	ncrc0556	ncrc9671	
ncrb1152	ncrb1380	ncrb3304	ncrb6360	ncrb6858	ncrb8215	ncrc0580	ncrc9673	

Figure 6A -- Continued

108. ribosomal protein S19 M81757.1 41								
BFC0037n	FCR1529	FCR4873	fcrb1664	hfc0159	HFCR3168	hfc6007	hfc9267	SEOB2959
FCR0683	FCR2893	FCR7307	fcrb1846	hfc1059	hfc3386	hfc6749	hfc9667	
FCR0731	FCR3139	FCR7310	fcrb2309	hfc2049	hfc4126	hfc6976	ncrc1894	
FCR0853	FCR4078	FCR7742	fcrb2601	HFCR2366	hfc5801	hfc7446	ncrc9747	
FCR0900	FCR4355	fcrb1192	hfc0063	hfc2595	hfc5861	hfc8379	SEOA9992	
109. "ribosomal protein S28, yeast homologue "D14530 41								
BFCN0255	CR0699	FCR4365	FCR7034	fcrb0104	hfc0196	hfc3603	hfc8519	SEOA6195a
BFC0462	FCR1257	FCR6122	FCR7168	fcrb1722	hfc0238	hfc5849	hfc8536	
BFCW0587	FCR2308	FCR6147	FCR7414	fcrb1827	hfc0766	hfc5868	hfc8984	
CR0526	FCR2685	FCR6760	FCR7609	fcrb2085	hfc1232	hfc6354	ncrc9724	
CR0599	FCR3920	FCR7000	FCR7721	fcrb2165	hfc1436	hfc6975	SEOA2162	
110. deleted in split hand/split foot 1 (DSS1) U41515 41								
MIOA0646	MIOB2153	miob5866	ncrb7169	SEOA0602a	SEOA2356a	SEOA6568a	SEOA9852	seob5511
MIOA6044	miob2373	ncr1473	ncrc2124	SEOA1015n	SEOA3194	SEOA6601a	SEOA9995	
miob0520	miob3941	ncr7455	ncrc2132	SEOA1034a	SEOA4501	SEOA7090a	SEOB1346	
miob0868	miob5496	ncr7995	ncrc6920	SEOA1176A	SEOA4651a	SEOA9128	SEOB3296	
miob1915	miob5776	ncrb4629	SEOA0574a	SEOA1370	SEOA6062a	SEOA9428	seob4414	
111. ribosomal protein L35a NM_000996.1 41								
BFCW0311	FCR6322	hfc6342	mioa9208	ncr5184	ncrc5016	SEOA3133a	SEOA7581a	soa0291n
FCR0017	FCR7198	hfc6730	miob5439	ncrb0446	ncrc8837	SEOA4643a	SEOB0524	
FCR0092	fcrb1913	hfc7554	ncr1724	ncrb5455	SEOA1098a	SEOA5113a	SEOB3225	
FCR0498	hfc1655	hfc9270	ncr3339	ncrc2970	SEOA1284a	SEOA5317a	seob4663	
FCR0560	hfc4470	MIOA6888a	ncr4709	ncrc3982	SEOA1637a	SEOA5324a	seob6052	
112. cytochrome c oxidase subunit VIIb Z14244 41								
FCR1855	mioa1218m	MIOA7188a	miob6127	ncrc7107	SEOA3961a	SEOA6213a	seob4415	
FCR4849	MIOA1456	MIOA7392a	ncrb3935	seoa0348m	SEOA4790a	SEOA6673a	seob4454	
hfc7418	MIOA1733	miob3141	ncrc1745	SEOA2018	SEOA5078a	SEOA7198a	seob5911	
hfc8919	MIOA2188a	miob3921	ncrc1772	SEOA3919	SEOA5087a	SEOA9977	seob5995	
MIOA0388a	MIOA7113a	miob3993	ncrc2368	SEOA3920	SEOA5316a	SEOB3535	seob7186	
113. hH3.3B gene for histone H3.3 Z48950.1 41								
FCR1836	FCR7196	MIOA4335a	miob6622	ncrb2649	ncrc3395	SEOA5628a	SEOB2031	SOA0251
FCR4015	FCR7406	MIOA4611a	ncr0547	ncrb3172	ncrc3900	SEOA6258	SEOB3175	
FCR4207	fcrb2487	MIOA6839a	ncr3664	ncrb5585	ncrc6405	SEOA9789	seob5866	
FCR4730	hfc7068	miob2490	ncr6903	ncrc0334	SEOA3422a	SEOB1402	seob6700	
FCR6611	hfc9690	miob3989	ncrb1585	ncrc1980	SEOA4502	SEOB1649	seob7119	
114. RIBOSOMAL PROTEIN L10A (CSA-19)(RPL10A) P53025 40								
BFCN0010	FCR3550	fcrb2334	hfc6561	MIOA6783a	ncr0643	ncrb0736	SEOA0417	
BFC0533	FCR4164	hfc0403	hfc6828	MIOA6843a	ncr4765	ncrb2016	SEOA1026	
FCR0227	FCR6548	hfc0465	hfc9527	mioa9213	ncr7194	ncrb5004	SEOB3368	
FCR1652	fcrb0277	hfc1906	MIOA4509a	miob0654	ncr8770	ncrc0228	seob5067	
FCR3193	fcrb1226	hfc3609	MIOA6652a	miob6742	ncrb0452	ncrc0330	seob5851	



Figure 6A – Continued

<b>115. ribosomal protein S15a X84407 40</b>							
BFCN0273	FCR2491	FCR7245	hfc0780	hfc06517	ncr0869	ncrc4372	SEOA5357
BFCW0180	FCR4108	FCR7331	HFCR3094	hfc07722	ncr2234	ncrc4500	SEOA7925a
BFCW0588	FCR5245	fcrb1191	HFCR3254	hfc08559	ncrb2077	ncrc9263	SEOA8722
CR0831	FCR6523	hfc0491	hfc03781	MIOA3693a	ncrb8678	ncrc9560	SEOB0511
FCR1349	FCR7147	hfc0636	hfc06001	MIOA3735a	ncrb8682	SEOA3966a	SEOB3383
<b>116. ribosomal protein L15 NM_002948.1 40</b>							
FCR5807	hfc01156	hfc02062	hfc03982	hfc07348	hfc09853	ncr7679	ncrc9223
fcrb1790	hfc01333	hfc02310	hfc04279	hfc07542	MIOA4695	ncr8150	seoa6978
fcrb1841	hfc01661	HFCR3145	hfc04337	hfc08015	MIOA4890a	ncrc4539	seoa6988
fcrb2018	hfc01669	hfc03861	hfc05193	hfc08838	mioa9279	ncrc4900	SEOB3275
fcrb2757	hfc01803	hfc03890	hfc05799	hfc08917	miob3809	ncrc8940	seob6398
<b>117. eukaryotic translation initiation factor 3 (EIF3S6) (=INT6) NM_001568.1 40</b>							
fcrb1837	miob1448	hfc0493	hfc03540	MIOA6315a	ncr0582	ncrc2097	SEOA7334a
ncrc5088	ncr0582	hfc0556	hfc05388	miob0784	ncrb0473	ncrc5088	SEOA9855
hfc02945	ncrb8727	hfc02945	hfc06866	miob1448	ncrb1337	SEOA5577a	SEOB1357
hfc03485	seob7245	hfc03485	hfc08591	miob4352	ncrb1514	SEOA7086a	SEOB1986
MIOA6315a	miob4352	hfc03509	hfc08963	miob4606	ncrb8727	SEOA7122a	seob7245
<b>118. ribosomal protein L23a U43701 38</b>							
ncrc5074	fcrb2002	MIOA5247a	miob5089	ncrb0478	ncrb7076	ncrc6307	SEOA5099a
ncrc5142	fcrb2753	MIOA5894a	miob5980	ncrb1113	ncrb7240	ncrc6619	seoa5395n
FCR1913	hfc0629	MIOA6364a	ncr1090	ncrb4549	ncrb7665	ncrc9088	seoa5757an
FCR2143	hfc07840	miob0153	ncr2051	ncrb4644	ncrb8062	ncrc9167	SEOA8330a
fcr3146	hfc09840	miob0845	ncr4037	ncrb4645	ncrb8699	SEOA0429	SEOB0092
FCR3555	MIOA2444a	miob1461	ncr4373	ncrb4700	ncrc0158	SEOA0817	SEOB1653
FCR3728	MIOA3515a	miob3611	ncr9521	ncrb4857	ncrc3699	SEOA0893	SEOB2113
FCR4062	MIOA4631a	miob4258	ncr9875	ncrb6314	ncrc4068	SEOA3080a	seob6770
<b>119. KIAA0005D13630 38</b>							
MIOA1858m	MIOA8211	miob2946	miob4910	ncr3544	SEOA2957a	SEOB0840a	seob6320
MIOA4111	MIOA8634	miob2967	miob4966	ncr3550	SEOA3653a	SEOB2729	seob6323
MIOA5459a	MIOA9029	miob3606	miob6341	ncr5208	SEOA4294a	SEOB3063	seob6429
MIOA5543a	miob0590	miob3838	miob6955	ncrb3322	SEOA5999a	seob4609	
MIOA7322	miob1832	miob4529	ncr1757	ncrc5149	SEOA8749	seob5475	
<b>120. collagen type XI alpha2 (COL11A2) U41068.1 38</b>							
BFC03013	BFCW0457	FCR3037N	FCR7702	hfc0348	hfc08414	hfc09446	ncrb5688
BFC03039	FCR0205	FCR5986	fcrb0338	hfc0357	hfc08468	hfc09465	ncrc1439
BFC0468n	FCR0450	FCR6284	fcrb1150	hfc0536	hfc08921	hfc09631	ncrc9320
BFC05020n	FCR1183	FCR6584	fcrb1479	hfc04180	hfc09300	hfc09929	
BFCW0389	FCR2580	FCR7175	fcrb2179	hfc05757	hfc09437	ncrb1699	
<b>121. "transcription elongation factor B (SIII), polypeptide 1-like (TCEB1L) "NM_003197.2 38</b>							
hfc07245	MIOA4595a	MIOA5776a	miob2922	ncr1480	ncr2397	ncr4000	ncr5540
mioa0740m	MIOA5593a	miob2917	miob3455	ncr1720	ncr2805	ncr4101	ncr7565
							ncr8305
							ncr8482

Figure 6A - Continued

ncrb2749	ncrc1877	ncrc3358	ncrc9332	seob4568	seob6006	seob7584
ncrb3369	ncrc1883	ncrc5576	SEOA4816a	seob5428	seob7097	SOA0369
ncrb3532	ncrc2475	ncrc7196	SEOB3092	seob5605	seob7478	

**122. "lysosome-associated protein, transmembrane - 4alpha (=D14696.1 Human KIAA0108) "U34259.1 38**

BFCS0270	hfc9427	MIOA4951a	miob6219	ncrc0855	SEOA2844	SEOA9821	seob5940
FCR3890	MIOA0038a	MIOA8794	ncr1743	ncrc5950	SEOA4862a	SEOB0605	seob7187
FCR4020	MIOA3786	mioa9897	ncrb2628	ncrc9127	SEOA7646a	SEOB1984	seob7923
fcrb0160	MIOA4007a	miob3977	ncrb2897	SEOA0826	seoa8159	SEOB2726	
hfc6554	MIOA4256	miob4194	ncrb8558	seoa0993m	SEOA8588	seob4479	

**123. SUI1 isolog AF083441.1 38**

FCR2362	hfc4136	miob1161	ncr2000	ncr9517	ncrb1361	ncrc1742	SEOA9334
hfc0156	hfc5187	miob2512	ncr3835	ncr9517	ncrb1547	ncrc1742	SEOA9334
hfc3415	hfc5187	miob2512	ncr3835	ncrb1183	ncrb1547	ncrc8841	SEOB2034
hfc3415	MIOA0181	MIOB2568	ncr8251	ncrb1183	ncrb6091	ncrc8841	
hfc4136	miob1161	ncr2000	ncr8251	ncrb1361	ncrb6091	SEOA1956	

**124. small nuclear ribonucleoprotein polypeptide G (SNRPG) X85373 37**

hfc1695	MIOA9068	SEOA3227	SEOA6109a	SEOA9768	seob4374	seob6499	seob8174
MIOA3352a	miob3268	SEOA3688a	SEOA6460a	SEOB0836a	seob4739	seob7004	seob8254
MIOA4475a	miob4146	SEOA3810a	seoa7850a	SEOB0845a	seob4811	seob7049	
MIOA6765a	SEOA0167a	SEOA4686a	SEOA8647	SEOB0983	seob4833	seob7089	
mioa7895	SEOA0564A	SEOA5684a	SEOA9559	SEOB3069	seob5931	seob7501	

**125. N1-phosphatidylinositol-4-phosphate 5-kinase S78798.1 37**

FCR2492	hfc0489	hfc0761	hfc0805	hfc0899	hfc1397	hfc4012	hfc4334
hfc0040	hfc0735	hfc0762	hfc0820	hfc0993	hfc2018	hfc4159	hfc4351
hfc0379	hfc0748	hfc0768	hfc0868	hfc1331	hfc4002	hfc4171	
hfc0391	hfc0757	hfc0790	hfc0884	hfc1376	hfc4006	hfc4220	
hfc0456	hfc0758	hfc0792	hfc0887	hfc1394	hfc4008	hfc4327	

**126. ribosomal protein L38 Z26876 37**

FCR0398	hfc5123	MIOA6090a	ncr0479	ncrc4894	SEOA4781a	SEOB3174	seob6376
FCR3949	hfc5602	MIOA6674a	ncr9840	ncrc8956	SEOA5081a	SEOB3338	seob8308
fcrb0608	hfc8832	miob2399	ncrb0902	ncrc9647	seoa7014	seob5164	
fcrb2709	MIOA0364a	miob3242	ncrb8766	SEOA0385	SEOB0989	seob5181	
hfc3492	MIOA3284a	miob3410	ncrc4026	SEOA4151a	SEOB1725	seob6169	

**127. "cartilage intermediate layer protein, CILP "AB022430.1 37**

HFcr3276	MIOA3341a	MIOB2082	miob5775	ncr6641	SEOA2906a	SEOB0417	SOA0399
MIOA1366a	MIOA3923a	MIOB2622	miob6191	ncrb6308	SEOA3793a	SEOB1165	SOA0545
MIOA2049	mioa9474	miob3195	miob6831	ncrb7277	seoa6816	seob4869	
MIOA2298a	miob0671	miob3252	ncr2979	SEOA0239a	seoa7045	seob6863	
MIOA3110a	miob1909	miob3425	ncr4832	SEOA0435	SEOA9483	seob7212	

**128. collagen type VI alpha 3 (COL6A3) NM\_004369.1 36**

FCR7098	hfc3692	hfc6167	mioa9836	miob4254	ncr1047	ncrb1171	SEOA1360	SEOA2061
FCR7602	hfc5140	mioa9618	miob1384	miob4588	ncr6959	ncrc1483	SEOA1442a	SEOA2082

Figure 6A - Continued

SEOA3350a	SEOA5142a	SEOA9381	SEOB1610	seob2315	seob5581	seob6425	seob7451	seob8018
SEOA4504	SEOA8493	SEOB0068	SEOB2235	seob3642	seob6393	seob6470	seob7711	seob8329
<b>129. ribosomal protein S18 X69150.1 36</b>								
BFCN0120	FCR0920	FCR3151	FCR6538	FCR7725	fcrb2326	hfc0689	hfc1659	hfc8990
BFCS0280	FCR1253	FCR3795	FCR6826	fcrb1184	fcrb2492	hfc0733	hfc1916	miob1182
CR0938	FCR1375	FCR5380	FCR6964	fcrb1797	hfc0093	hfc0975	hfc2218	ncr7308
FCR0417	FCR1558	FCR6323	FCR7360	fcrb2030	hfc0189	hfc1393	hfc8754	seob5044
<b>130. F1-ATPase epsilon-subunit (ATP5E) AF052955.1 33</b>								
fcrb1103	miob1689	miob6334	ncr3715	ncrc1088	SEOB0133	seob2317	seob5104	seob7538
hfc2699	miob4171	miob6884	ncr5416	ncrc4885	SEOB0476	SEOB2660	seob6221	
hfc9038	miob4846	ncr0384	ncrb7466	seoa7869a	SEOB1233	SEOB3333	seob6307	
miob0444	miob6205	ncr2417	ncrb8509	SEOA8727	SEOB1786	seob4832	seob7443	
<b>131. NADH dehydrogenase X81900 33</b>								
hfc0678	MIOA1191n	ncr1506	ncr4605	ncr6331	ncr8017	ncr8689	SEOA1202A	SEOA3547a
hfc5996	MIOA6101a	ncr2398	ncr5195	ncr6746	ncr8169	ncr9504	SEOA2407	SEOA6036a
(=mitochondr	MIOA6662a	ncr2629	ncr6047	ncr7396	ncr8568	ncrc2579	SEOA2954a	seob5642
ial genome)	ncr1256	ncr3143	ncr6128	ncr7857	ncr8640	SEOA0481	SEOA3371a	
<b>132. ribosomal protein L12 L06505 33</b>								
BFCN0205	hfc1742	hfc4475	MIOA4139	ncr6287	ncrb7207	seoa2022n	SEOB1288	seob7949
BFCS0232	hfc1885	hfc4615	MIOA8966	ncr6832	ncrb7613	SEOA7416a	seob4302	
FCR1078	hfc2064	hfc4766	miob5477	ncrb1965	ncrc1429	SEOB0867a	seob4459	
FCR4737	hfc3984	hfc6135	ncr2170	ncrb5368	SEOA1737a	SEOB1261	seob7349	
<b>133. BFCN0105 ribosomal protein S5 (RPS5) NM_001009.1 33</b>								
BFCS0055	FCR2149	FCR4669	FCR6168	fcrb2557	hfc2501	hfc6543	MIOB2805	
CR0055	FCR2256	FCR5966	FCR6651	hfc0681	hfc2578	hfc7045	ncr4119	
FCR1609	fcr3375n	FCR6066	FCR7163	hfc1846	hfc2961	hfc7809	ncrc1059	
FCR1930	FCR4324	FCR6152	fcrb2161	hfc1870	hfc2975	hfc9637	SEOA0405	
<b>134. cytoskeletal gamma-actin X04098 33</b>								
FCR0438	fcrb1075	hfc3576	hfc6471	hfc7025	miob0933	ncrb2109	ncrc4043	seob7563
FCR2503	fcrb1487	hfc4467	hfc6619	hfc8387	miob3532	ncrb7748	ncrc9679	
FCR3102	hfc1183	hfc4476	hfc6740	hfc8409	ncr6706	ncrc0240	ncrc9909	
fcrb0427	hfc3491	hfc5166	hfc6797	MIOA8852	ncr9365	ncrc0623	SEOA6908	
<b>135. androgen receptor associated protein 24 (ARA24) (=AF054183 GTP binding protein) AF052578 33</b>								
FCR0288	FCR6517	MIOA1674a	miob1953	SEOA1302a	SEOA3644a	SEOA5900	SEOB0519	seob5296
FCR2417	FCR6577	MIOA4792a	miob3175	SEOA2183a	SEOA3930	SEOA6467a	SEOB0848a	
FCR3772	fcrb2317	MIOA5729a	miob6209	SEOA2686	SEOA3931	SEOA8605	SEOB1907	
FCR5127	hfc9736	MIOA9062	ncrc5877	seoa2691m	SEOA4246a	SEOB0263	seob4485	
<b>136. collagen type IX alpha 3 (COL9A3) AF026802.1 32</b>								
BFCW0515	FCR2080	FCR2886	FCR3660	FCR4500	FCR5271	FCR7468	hfc0226	hfc1406
FCR0477	FCR2319	fcr3141	FCR3799	FCR4819	FCR6336	fcrb0312	hfc1148	HFCR3243

Figure 6A – Continued

HFCR3282	hfc14118	hfc16780	hfc17761	ncr1265	ncr5121	ncrb4813	
hfc14035	hfc15882	hfc17464	hfc19970	ncr2830	ncrb2643	ncrb6579	
137. "cytochrome c oxidase, liver specific (EC 1.9.3.1.) "X15822							32
FCR5121	MIOA1511	MIOA7077a	miob3919	ncr8299	SEOA2255a	SEOA7397a	SEOB2757
FCR6754	MIOA3452a	MIOA8045a	miob4390	SEOA0367n	SEOA4708a	seoa8046	seob4679
fcrb0703	MIOA4975a	miob1124	ncr2262	SEOA1086a	SEOA5167a	SEOB1795	seob6809
hfc12767	MIOA6756a	MIOB2553	ncr3535	SEOA1688a	SEOA5574a	SEOB2074	seob7929
138. tubulin betaAF070561							32
BFCW0529	FCR2349	FCR5760	hfc13517	hfc14480	mioa2130m	mioa9421	ncrb3423
CR0300	FCR2722	FCR7108	hfc13796	hfc15555	MIOA2890a	ncr0326	ncrc2912
FCR0485	FCR4373	hfc1648	hfc13913	hfc16092	MIOA6624a	ncr8267	SEOB1124
FCR2122	FCR4938	hfc1787	hfc14114	mioa0991nn	MIOA8975	ncr9473	seob5640
139. nmyosin regulatory light chain X54304							31
BFC0421	fcrb1969	miob0433	ncr3691	SEOA1463a	SEOA6099a	SEOB0697a	SEOB2629
FCR4304	hfc19608	miob7008	ncr3993	SEOA2343a	SEOA6298	SEOB0729	SEOB2771
FCR4640	MIOA5885a	ncr0678	ncr5207	SEOA3300	SEOA7398a	SEOB1440	seob6765
fcrb1242	mioa9849	ncr3311	SEOA0740	SEOA4562	SEOA8842	SEOB1535	
140. ribosomal protein L19 X63527							31
FCR1522	FCR6957	fcrb1811	hfc13464	MIOA8627	ncrb2426	SEOA7605a	seob6042
FCR1626	FCR7025	fcrb2447	hfc17612	mioa9853	ncrc5237	SEOA7656a	seob6238
FCR3746	fcrb0030	fcrb2477	hfc18003	miob4197	SEOA5201a	SEOA8748	seob6602
FCR3793	fcrb1581	hfc12592	hfc19542	ncrb1897	seoa7001	SEOB3058	
141. ribosomal protein S3 (RPS3) NM_001005.1							31
BFCN0075	FCR1273	FCR2281	fcrb0039	hfc1865	hfc17506	miob0662	SEOA1035a
BFC0502	FCR1604	FCR2918	fcrb1054	hfc12328	MIOA1233	miob6972	SEOA5669a
CR0253	FCR1740	FCR5477	hfc10857	HFCR3252	MIOA1481	ncr1855	SEOA9880
FCR0260	FCR1759N	FCR7136	hfc1857	hfc15987	miob0370	ncr5622	
142. "clusterin (CLU) SP40,40 (=M63379 TRPM-2 protein) "NM_001831.1							31
fcrb1155	miob0446	ncr0114	ncr4415	ncr9673	ncrc1669	SEOA3766a	seob4926
MIOA0543	miob2404	ncr1339	ncr7093	ncrb0412	ncrc9539	SEOA3824a	SOA0440
MIOA2797a	miob5969	ncr3207	ncr7160	ncrb2846	SEOA2140	SEOA8238	SOA0544
mioa9401	miob6902	ncr3352	ncr8225	ncrb3488	SEOA2977a	SEOA8446	
143. ribosomal protein L18 (RPL18) NM_000979.1							31
FCR0320	FCR3626	FCR5922	fcrb1619	hfc12632	hfc14187	hfc17051	ncr0289
FCR0798	FCR3658	FCR6176	fcrb2543	hfc12921	hfc14461	hfc17415	seoa7890a
FCR1655	FCR4765	FCR6970	hfc12024	HFCR3119	hfc14482	hfc19718	seob6522
FCR2067	FCR5834	fcrb0671	hfc12622	hfc13944	hfc16504	hfc19942	
144. nephropontin (=X13694.1 osteopontin) M83248.1							31
ncrc5787	ncrc5779	ncr3988	ncrb6852	ncrc6287	SEOA1300a	SEOA2924a	SEOA4576
ncrc6085	ncrc6057	ncr4513	ncrc2011	SEOA0527	SEOA2278a	SEOA3923	SEOA5284a
							SEOA6005a
							SEOA6031a

Figure 6A – Continued

SEOA6876	seoa7053	SEOB1095	seob3901	seob7243	seob7498	SOA0583	
seoa7003	SEOA7080a	SEOB2733	seob5406	seob7495	SOA0083		
145. "ribonuclease, RNase A family, 1(pancreatic) (RefSeq aa 9e-73) "NP_002924.1							31
fcrb2007	ncr0820	ncr2636	ncr8064	ncrb2094	ncrc0549	ncrc2869	ncrc9859
ncrc6055	ncr2039	ncr3496	ncrb0135	ncrb4001	ncrc1134	ncrc4974	SEOA4325a
ncrc6253	ncr2343	ncr5432	ncrb1334	ncrb5267	ncrc1134	ncrc5867	SEOA5267a
ncr0174	ncr2455	ncr7331	ncrb1615	ncrc0358	ncrc2862	ncrc6500	
146. Tubulin alpha isoform 1 AF081484							30
FCR1795	FCR7188	hfc0102	hfc7099	mioa0991nn	ncrb7237	SEOA6216a	SEOB1260
FCR2929	fcrb1539	hfc0693	hfc8782	MIOA5966a	SEOA0824	SEOA6420	seob6818
FCR6333	fcrb1618	hfc1298	hfc9141	ncrb1285	seoa3475an	SEOA9454	
FCR6909	hfc0006	hfc6235	hfc9403	ncrb4045	SEOA6010a	SEOB0450	
147. ribosomal protein S23 (RPS23) =D14530 (ORF) NM_001025.1							30
BFCN0135	hfc5192	MIOA4720	ncr4205	ncrb3926	ncrc3707	SEOA3648a	seob8069
FCR5091	hfc5765	MIOA7015a	ncr4684	ncrb7037	ncrc4503	SEOA6250	SOA0282
hfc0538	hfc5999	miob0955	ncr5220	ncrc1749	ncrc4746	SEOB2194	
hfc1117	hfc9928	ncr2349	ncrb1471	ncrc2596	ncrc5528	seob5567	
148. T-cell cyclophilin Y00052							30
FCR1368	FCR4681	fcrb1523	hfc5034	hfc9100	ncr0099	SEOA0588a	seob5128
FCR1627	FCR5391	hfc2645	hfc6252	hfc9717	ncrb3852	SEOA1756a	seob8194
FCR2480	FCR7032	hfc2802	hfc8411	MIOA3009a	ncrb6939	seoa7970	
FCR3402	fcrb0625	hfc3770	hfc9086	mioa9204	ncrc3978	seob4379	
149. ribosomal protein L22 (RPL22) NM_000983.1							30
BFCW0280	hfc0376	miob3816	ncr6816	ncrb2344	ncrc2681	SEOA2885n	SEOB3168
CR0936	hfc7087	ncr0412	ncr9448	ncrb3805	ncrc5041	SEOA5524a	SEOB3295
FCR1365	MIOA3236a	ncr0640	ncr9456	ncrb6877	ncrc9016	seoa7707a	
fcrb0582	mioa9526	ncr6040	ncrb0703	ncrc0756	SEOA2877	seoa7801a	
150. ribosomal protein L35 U12465							30
BFCN0059	FCR0077	FCR2499	FCR7328	hfc2684	hfc6301	hfc9015	ncrb5697
BFCS0297	FCR1325	FCR3049	fcrb0360	hfc2730	hfc6374	hfc9817	SEOA0747
BFCW0403	FCR1656N	FCR4332	fcrb1557	hfc3779	hfc7543	hfc9880	
BFCW0436	FCR2142	FCR4473	hfc2534	hfc5998	hfc7625	ncr5143	
151. "ribonuclease, RNase A "NM_002937.1							30
ncrc6055	ncr0820	ncr2636	ncr8064	ncrb2094	ncrc0549	ncrc4974	SEOA4325a
ncrc6253	ncr2039	ncr3496	ncrb0135	ncrb4001	ncrc1134	ncrc5867	SEOA5267a
fcrb2007	ncr2343	ncr5432	ncrb1334	ncrb5267	ncrc2862	ncrc6500	
ncr0174	ncr2455	ncr7331	ncrb1615	ncrc0358	ncrc2869	ncrc9859	
152. collagen lysyl hydroxylase isoform 2 (PLOD2) U84573							30
FCR5085	MIOA5244a	miob0240	MIOB2240	miob2475	ncr0800	ncrb4358	ncrb7447
hfc7472	mioa5668n	MIOB2126	MIOB2305	MIOB2587	ncrb0840	ncrb6691	ncrc8982
							ncrc9078
							SEOA0977

Figure 6A – Continued

SEOA2509	SEOA3747a	SEOA5368	SEOA8633	seob5353	seob7196		
seoa3271n	SEOA3752a	seoa7848a	SEOB1823	seob5515	seob7512		
<b>153. heterogeneous nuclear ribonucleoprotein A1 (HNRPA1) NM_002136.1</b>						<b>29</b>	
FCR7133	hfc1136	hfc5440	hfc7867	miob1188	ncrb5479	ncrc6718	seob6874
BFC50207n	hfc1144	hfc6516	hfc9017	ncr0471	ncrb6072	SEOB0126	
fcrb2000	hfc1683	hfc6587	MIOA8719	ncr5859	ncrc2816	seob3894	
fcrb2624	HFCR3235	hfc6641	MIOA9040	ncrb4766	ncrc3013	seob6324	
<b>154. "ATP synthase, H transporting, mitochondrial F0 complex, subunit e (RefSeq aa 1e-33) "NP_009031.1</b>						<b>29</b>	
MIOA6076a	ncr2795	ncrb0054	ncrc1917	ncrc4548	SEOA0811	SEOA5960	seob7622
MIOA6360a	ncr6036	ncrb1493	ncrc2205	ncrc4947	SEOA1220A	SEOA6546a	
MIOA7461a	ncr6041	ncrb3252	ncrc2365	ncrc6411	SEOA2269a	SEOB2160	
miob1479	ncr9036	ncrb7962	ncrc3798	ncrc6515	SEOA5648a	seob6617	
<b>155. "eukaryotic translation initiation factor 4 gamma, 2 (EIF4G2) "NM_001418.1</b>						<b>29</b>	
fcrb0263	MIOA2528a	ncrb1718	SEOA1597a	SEOA5903	SEOA9027	seob5840	seob7314
fcrb2550	MIOA6612a	ncrb1802	SEOA5410	SEOA8273	SEOA9220	seob5857	
hfc12761	MIOA7547a	ncrc1395	SEOA5653a	SEOA8403a	SEOA9649	seob7165	
MIOA1847a	ncr7964	ncrc3655	SEOA5763	SEOA8967	SEOB3589	seob7256	
<b>156. "Integrin-binding sialoprotein (bone sialoprotein, bone sialoprotein II)(IBSP) "NM_004967.1</b>						<b>29</b>	
ncr0491	ncr2685	ncr8418	ncrb3547	ncrb7107	ncrc1097	ncrc2967	ncrc6857
ncr2481	ncr4839	ncr8529	ncrb4386	ncrb7676	ncrc2243	ncrc4585	
ncr2501	ncr6195	ncrb1375	ncrb5605	ncrb8060	ncrc2699	ncrc5177	
ncr2585	ncr6676	ncrb2683	ncrb6577	ncrb8111	ncrc2841	ncrc6651	
<b>157. mitochondrial ATPase coupling factor 6 subunit (ATP5A) M37104</b>						<b>29</b>	
MIOA3079a	miob5893	SEOA0108	seoa2520m	SEOA3909	SEOA6706	SEOA7630a	seob7078
miob0836	miob6940	SEOA0313	seoa2612n	SEOA5929	SEOA7200a	SEOA8354a	
miob1025n	ncr3501	SEOA1325n	seoa3379an	SEOA5948	SEOA7254a	SEOB3573	
miob4833	SEOA0049	SEOA1503	SEOA3791a	SEOA6446a	SEOA7580a	seob4019	
<b>158. heparan sulfate proteoglycan (HSPG) (OCI5) J04621.1</b>						<b>29</b>	
BFC50024	FCR6060	hfc5127	MIOA8162	ncrc6240	SEOA4737a	SEOB0902a	seob7282
FCR0174	hfc12554	MIOA1598	ncr4046	SEOA0364	SEOA6872	SEOB3362	
FCR0690	hfc12943	MIOA2782a	ncrb3611	SEOA2987a	SEOA7498a	seob3997	
FCR4967	HFCR3203	MIOA7573a	ncrc3074	SEOA4266a	seoa8086	seob5308	
<b>159. ribosomal protein S21 (RPS21) L04483</b>						<b>29</b>	
FCR0650	FCR3744	fcrb0398	hfc0084	hfc6664	hfc9183	ncrb8701	SEOB1698
FCR1172	FCR5218	fcrb1332	hfc0180	hfc6748	mioa7875	SEOA0933	
FCR1498	FCR5355	fcrb2093	hfc5209	hfc7465	ncr1426	SEOA2648	
FCR3357	FCR6375	fcrb2246	hfc6095	hfc8680	ncr2423	SEOA5551a	
<b>160. nucleolar phosphoprotein B23 (NPM1) M28699</b>						<b>29</b>	
FCR5634	hfc3946	MIOA0832	miob4364	ncr2369	ncr8645	ncrb5486	ncrb6793
hfc12026	hfc7854	MIOA4798a	miob6262	ncr7161	ncrb4481	ncrb6604	ncrc0277
							ncrc1076
							ncrc2900

Figure 6A – Continued

ncrc4778	ncrc6667	seoa3444an	SEOA6899	SEOB1408	seob7537		
ncrc4851	ncrc9039	SEOA5578a	SEOB0844a	seob5626			
<b>161. cartilage-derived C-type lectin (CLECSF1) AF077345</b>							<b>29</b>
MIOA2327a	ncr0623	ncr2654	ncr9350	ncrb5530	ncrc5911	SEOB1449	SOA0535
MIOA6484a	ncr1572	ncr6793	ncrb0620	ncrb6995	ncrc6787	seob4606	
MIOA6929a	ncr1677	ncr7071	ncrb2089	ncrb7892	SEOA2713	SOA0387	
mioa9940	ncr2644	ncr7769	ncrb2744	ncrc5751	SEOA6135a	SOA0411	
<b>162. ribosomal protein L8 Z28407</b>							<b>28</b>
FCR2414	FCR3919N	fcr6664n	hfc0028	hfc04038	hfc06703	miob0269	
FCR3275	FCR3951	FCR7166	hfc0124	hfc05280	hfc08465	miob0275	
FCR3396	FCR6231	FCR7380	hfc0410	hfc06031	hfc09647	ncr8019	
fcr3675n	FCR6256	fcrb2620	hfc0665	hfc06066	hfc09769	SEOA0926	
<b>163. spermidine/spermine N1-acetyltransferase Z14136</b>							<b>28</b>
hfc07616	MIOA4928a	mioa9977	ncr1214	ncrc9310	SEOA2638	SEOB2010	
MIOA0055a	MIOA5820a	miob3826	ncr1825	ncrc9944	seoa4893a	SEOB2098	
mioa0503m	MIOA6000a	miob6750	ncrb0484	SEOA0047	SEOA5067a	seob4298	
MIOA3132a	MIOA6431a	ncr0617	ncrb5385	SEOA1788a	SEOA5472a	soa0042n	
<b>164. Sec61 gamma AF054184</b>							<b>28</b>
FCR3832	MIOA8832	ncrb4437	SEOA2340a	SEOA7371a	SEOA9918	seob2575	
FCR4359	miob4360	ncrb6426	SEOA2495	SEOA7617a	SEOB0565	seob3664	
hfc01427	ncr2265	ncrc6782	SEOA3401a	SEOA8420	SEOB0772	seob6165	
MIOA0099	ncr7621	SEOA1844a	SEOA7326a	SEOA8922	SEOB1934	seob7138	
<b>165. MEN1 region clone epsilon/beta AF001893.1</b>							<b>28</b>
MIOA0405a	MIOA8621	ncr9483	ncrb4192	ncrc2879	ncrc5700	SEOA1385	
MIOA0793	MIOA8674	ncrb0407	ncrb5722	ncrc3332	ncrc5908	seob4134	
MIOA0907a	miob0900	ncrb0485	ncrc0837	ncrc4355	ncrc7162	seob4143	
MIOA0930	miob6967	ncrb3235	ncrc1918	ncrc4481	ncrc9360	SOA0661	
<b>166. polyubiquitin E12605</b>							<b>28</b>
BFC03036	FCR6987	hfc0662	hfc9999	ncr0897	ncr6429	SEOA6677a	
FCR2562	FCR7073	hfc1277	miob0409	ncr1996	ncrb0711	SEOA8335a	
FCR3939	fcrb0306	hfc05070	miob4003	ncr2776	ncrb1153	SEOA8461	
FCR4937	hfc0562	hfc07779	ncr0734	ncr3661	SEOA0754	seob6494	
<b>167. ribosomal protein S7M77233</b>							<b>28</b>
CR0281	hfc04241	miob1742	ncrb8336	ncrc6557	SEOA5441	seob5819	
FCR1731	hfc05119	miob3356	ncrc1018	SEOA0757	SEOA7406a	seob6336	
FCR3936	hfc06111	ncrb0929	ncrc4973	SEOA1560	SEOB1988	seob6511	
hfc0377	hfc08500	ncrb3843	ncrc5937	SEOA2215a	SEOB3310	seob7573	
<b>168. caveolin 1 (CAV1) AF125348.1</b>							<b>28</b>
MIOA0293n	MIOA2583a	MIOA5134a	MIOA7205a	mioa9976	miob6265	ncrc0569	ncrc3957
MIOA2029	MIOA2804a	MIOA5926a	mioa9768	miob3938	ncr1981	ncrc1302	ncrc4111
							ncrc4957
							SEOA1353

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SEOA1732a	SEOA3328a	SEOA9595	seob1046	SEOB1915				
SEOA2139	SEOA8203a	SEOB0191	SEOB1117	seob7610				
169.	ribosomal protein L18a L05093.1			28				
BFCN0047	FCR2285	FCR5748	fcrb2626	hfc0900	hfc4194	hfc9583		
BFCN0220	FCR3077	fcrb1007	hfc0047	hfc1199	hfc5274	hfc9723		
BFCW0244	FCR4620	fcrb1474	hfc0143	hfc1963	hfc6781	hfc9991		
FCR0658	FCR5015	fcrb2542	hfc0716	hfc3422	hfc9046	ncr0289		
170.	HSPC036 protein (=AF077200.1 HSPC014) AF125097.1			28				
hfc1933	MIOA3339a	miob2884	SEOA2242a	SEOA6407	SEOB1030	seob6397		
hfc5898	MIOA6663a	miob3380	SEOA2444a	SEOA6901	SEOB1374	seob7003		
MIOA0098	miob0087	SEOA0217a	SEOA4376a	SEOA9848	seob4581	seob7476		
MIOA2319a	miob0934	SEOA0537	SEOA6351	SEOB0171	seob6204	seob7742		
171.	"lectin, galactoside-binding, soluble, 1 (galectin 1) (LGALS1)mRNA (=14 kd lectin ) (=14kDa beta-galactoside-binding lectin) "NM_002305.2			28				
BFCW0064n	fcr2015	fcrb1302	hfc0706	hfc5709	hfc9605	ncr1051		
bfcw0088	fcr6533	fcrb2037	hfc1638	hfc7444	hfc9847	ncrb4378		
fcr0632	fcrb0144	hfc0458	hfc2721	hfc9482	mioa9311	ncrc9700		
fcr0736	fcrb0304	hfc0548	hfc5253	hfc9532	miob1785	ncrc9772		
172.	"hemoglobin, gamma G (HBG2) (=PRO2898) "NM_000184.1			27				
BFC50516	FCR5910	fcrb2084	hfc0121	hfc2217	hfc5164	hfc6804	hfc7825	hfc9346
FCR4116	fcrb1614	fcrb2137	hfc0546	hfc2552	hfc5206	hfc7007	hfc8372	hfc9521
FCR4970	fcrb1693	hfc0025	hfc1899	hfc5149	hfc5775	hfc7721	hfc8415	hfc9746
173.	ribosomal protein L24 (RPL24) (=ribosomal protein L30) NM_000986.1			27				
FCR0334	fcrb2731	hfc8448	ncr3529	ncrb5939	ncrc0468	ncrc4719	seoa4970a	seob3953
fcrb0995	hfc4142	hfc9343	ncrb1433	ncrb6273	ncrc4052	ncrc7003	SEOB1564	seob6371
fcrb2383	hfc5422	miob3086	ncrb2277	ncrb7811	ncrc4554	ncrc9838	seob3865	seob6837
174.	high mobility group-1 protein (HMG-1) X12597			27				
FCR5559	hfc7623	MIOA6870a	mioa7858	miob1888	miob6405	SEOA3561a	SEOB1978	SEOB3204
hfc1285	MIOA0757	MIOA7274	MIOA8597	miob1911	ncr6311	SEOA4746a	SEOB2059	seob5574
hfc3535	MIOA4642a	MIOA7408a	MIOB1530	miob4189	SEOA1632a	SEOA9563	SEOB2772	SOA0701
175.	Integrin beta 1 subunit X07979.1			27				
FCR5190	MIOA7070a	miob3079	ncrb8189	SEOA2047	SEOA6173a	seoa7845a	SEOB0137	seob5191
MIOA3317a	mioa9237	ncr8569	ncrc1083	SEOA4642a	SEOA6335	SEOA8383a	seob4014	seob7044
MIOA5808a	miob0717	ncrb3229	seoa1012m	SEOA6040a	SEOA6892	SEOA8715	seob4875	seob7933
176.	"hemoglobin, gamma A (HBG1) "NM_000559.1			27				
FCR5530	fcrb1614	fcrb2137	hfc1642	hfc2552	hfc5164	hfc6804	hfc8372	hfc9372
fcr5733	fcrb1693	hfc0546	hfc1899	hfc2993	hfc5215	hfc7509	hfc8415	hfc9521
FCR6383	fcrb2084	hfc1170	hfc2217	hfc5149	hfc5775	hfc7825	hfc9346	hfc9746



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<b>177. ribosomal protein S9U14971 27</b>								
FCR1755	FCR0492	FCR6478	hfc6920	fcrb1701	hfc4267	hfc7057	hfc1295	fcrb2473
CR1010	BFCW0534	FCR6985	hfc9200	hfc0873	hfc5131	hfc7428	hfc3801	fcrb1349
BFCS0492	FCR2003	hfc5643	fcrb0686	hfc4032	hfc5442	hfc7737	hfc0454	hfc9920
<b>178. lysosomal membrane glycoprotein CD63 (=M59907 ME491;X07982) M58485 26</b>								
FCR3254	hfc0266	hfc9428	miob0233	ncr7636	ncrb0815	ncrc0714	ncrc9523	SEOA5990a
FCR5074	hfc2575	MIOA3480a	ncr2775	ncr8322	ncrb2197	ncrc3939	SEOA2291a	SEOB1672
fcrb1852	hfc7949	MIOA5403a	ncr4126	ncrb0383	ncrb3126	ncrc6315	SEOA5846	
<b>179. RIBOSOMAL PROTEIN S2 (S4) (LLREP3 PROTEIN) spP15880 26</b>								
FCR0879	FCR2294	FCR4318	FCR6617	fcrb1295	hfc2520	hfc3874	hfc8570	MIOA4319a
FCR1472	FCR2358	FCR5517	FCR7205	hfc1415	hfc2733	hfc5636	hfc9050	ncrc0321
FCR1475	FCR4302	FCR6068	FCR7659	hfc1830	hfc3420	hfc7534	hfc9159	
<b>180. matrilin-3 (MATR3)Y13341 26</b>								
BFCW0186	hfc1159	hfc7807	miob4496	ncr9477	ncrb5011	SEOA3917	SEOB0570	seob5661
FCR6514	FCR1705	MIOA3510a	ncr1617	ncrb2696	ncrc5091	seoa7842a	seob3703	soa0489n
fcrb0352	hfc4348	miob2988	ncr9020	ncrb2799	SEOA1653a	SEOB0380	seob5238	
<b>181. chitinase (HUMTCHIT) U58515 26</b>								
ncrb0045	SEOA1079a	SEOA2866	SEOA5145a	SEOA6498a	SEOA8271	SEOB1255	SEOB3140	seob5679
SEOA0467	SEOA1105a	SEOA3538a	SEOA5248a	SEOA7338a	SEOA9135	SEOB1753	seob4571	seob7557
SEOA0890n	SEOA2789	SEOA4574	SEOA6236	SEOA7363a	SEOB0277	SEOB2239	seob4845	
<b>182. CGI-134 protein (LOC51023) NM_016067.1 26</b>								
MIOA0149	mioa9417	ncr1020	SEOA3204	SEOA5536a	SEOA6636a	seoa7800a	SEOB0908a	seob7191
MIOA0361a	ncr0533	ncr7959	SEOA3757a	SEOA6022a	SEOA7330a	SEOA8817	SEOB1909	SOA0622
MIOA6581a	ncr0740	SEOA0921	SEOA5535a	SEOA6595a	SEOA7650a	SEOB0272	seob6887	
<b>183. ribosomal protein S10 NM_001014.1 26</b>								
BFCW0038	FCR4675	FCR6560	fcrb1530	hfc2503	hfc7571	hfc8944	hfc9675	seob4505
FCR0066	FCR5035	fcrb0346	fcrb1972	hfc3363	hfc7693	hfc9162	ncrb5257	seob8223
FCR4502	FCR6207	fcrb0567	hfc1281	hfc5840	hfc7886	hfc9664	SEOA9460	
<b>184. "tissue inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseudoinflammatory) (TIMP3) "NM_000362.1 26</b>								
hfc0853	MIOA1458	MIOA3750a	MIOA6197a	miob3184	miob6629	ncrb0644	SEOA1639a	SEOB1686
hfc3708	MIOA2274a	MIOA5114a	MIOA9036	miob3351	miob6779	ncrb8231	SEOA4649a	seob5003
MIOA1026	MIOA3440a	mioa5706n	mioa9627	miob6019	ncr6690	SEOA0556A	seoa6833	
<b>185. H19 (=PRO2605) M32053 26</b>								
FCR0238	FCR0966	FCR4762	FCR5645	FCR6528	FCR7541	hfc2794	hfc5975	hfc8968
FCR0388	FCR2689	FCR4926	FCR5717	FCR7155	fcrb1513	hfc3026	hfc6546	ncr0923
FCR0532	FCR4379	FCR5160	FCR6465	FCR7180	hfc2725	hfc5111	hfc8967	

Figure 6A – Continued

**186. histone H3.3 Z48950 26**

fcfb2487	MIOA4611a	miob6622	ncr6903	ncrb3172	ncrc1980	ncrc6405	SEOA9789	seob5866
hfcf7068	MIOA6839a	ncr0547	ncrb1585	ncrb5585	ncrc3395	SEOA3422a	SEOB1402	seob6700
hfcf9690	miob2490	ncr3664	ncrb2649	ncrc0334	ncrc3900	SEOA4502	SEOB1649	

**187. ferritin L chain M11147 25**

BFC50408	FCR2727	hfcf7425	miob1387	ncr3229	ncrb2191	ncrc0917	ncrc3778	SEOB1859
FCR0796	FCR5438	hfcf7531	ncr1710	ncrb0904	ncrb5746	ncrc1019	SEOB0037	
FCR1304	fcfb2612	hfcf9630	ncr2648	ncrb1997	ncrb6778	ncrc3061	SEOB1240	

**188. signal recognition particle 14kD (homologous Alu RNA-binding protein)(SRP14) (=18 kDa Alu RNA binding protein)(=signal recognition particle subunit 14) NM\_003134.1 25**

hfcf7287	mioa7754a	miob0873	ncr2112	ncr6909	ncrb0288	ncrb4343	ncrc1473	seob4773
hfcf8858	MIOA8039a	miob3385	ncr4652	ncr7339	ncrb2627	ncrb7015	ncrc4270	
hfcf9266	MIOA8797	miob3433	ncr4814	ncr7727	ncrb3151	ncrb8377	ncrc7080	

**189. fatty acid binding protein (adipocyte lipid-binding protein) NM\_001442.1 25**

fcfb1839	hfcf5971	mioa7723a	MIOA8687	mioa9612	miob1199	miob3808	miob6651	SEOA4424a
hfcf0854	MIOA5583a	mioa7818a	mioa9547	mioa9745	miob1343	miob3872	ncrc1367	
HFCR3233	MIOA6577a	mioa7892	mioa9575	mioa9757	miob3155	miob6508	ncrc6545	

**190. "ribosomal protein, large P2 (RPLP2) "NM\_001004.1 25**

fcfb0211	hfcf1435	hfcf3362	hfcf5950	hfcf9232	miob3857	ncr5599	ncrc4221	seob6350
fcfb0436	hfcf2587	hfcf4082	hfcf6892	hfcf9408	ncr1396	ncrb2067	ncrc9710	
fcfb2253	hfcf2978	hfcf5175	hfcf7680	miob3406	ncr4218	ncrb6307	SEOB3326	

**191. CD63 antigen (melanoma 1 antigen) (CD63) NM\_001780.1 25**

FCR1521	hfcf0266	hfcf9428	mioa5713n	ncr4126	ncrb0383	ncrb3126	ncrc6315	SEOB1672
fcf3117	hfcf2575	MIOA3480a	miob0233	ncr7636	ncrb0815	ncrc0714	ncrc9523	
fcfb1852	hfcf7949	MIOA5403a	ncr2775	ncr8322	ncrb2197	ncrc3939	SEOA2291a	

**192. defender against cell death 1 (DAD1) NM\_001344.1 25**

CR0535	MIOA1614a	miob0508	ncr2755	ncrc0828	ncrc6613	SEOA1146a	SEOA8336a	seob5645
fcfb2319	MIOA2472a	miob6556	ncrb3356	ncrc2649	ncrc9725	SEOA1972a	SEOB3120	
hfcf6819	MIOA5261a	ncr8713	ncrb5662	ncrc6026	SEOA1126a	SEOA6710	seob4219	

**193. cytochrome b (ORF) U09500 25**

hfcf0746	hfcf8907	MIOA4082a	miob6526	ncrb0043	ncrb7347	SEOA0030	SEOA9157	seob6512
hfcf4542	hfcf9967	MIOA4191	ncr0524	ncrb2803	ncrc8887	SEOA7405a	SEOB0153	
hfcf6736	MIOA3796	miob4421	ncr6298	ncrb6145	ncrc9654	SEOA9029	seob4179	

**194. metallothionein-II (mt-II) J00271 25**

MIOA1752	ncr0575	ncr3029	ncr7626	ncrb1106	ncrb3608	ncrb5892	ncrc1609	seob5707
ncr0152	ncr1260	ncr3927	ncr9167	ncrb1410	ncrb4133	ncrb7587	ncrc3571	
ncr0160	ncr2536	ncr4331	ncrb0160	ncrb3053	ncrb4287	ncrb8475	ncrc5048	

Figure 6A - Continued

<b>195. RNA polymerase II elongation factor-like protein Z47087</b>					<b>25</b>			
BFCW0573	FCR0272	hfcf5473	MIOA1146	miob4657	SEOA1739a	SEOA7592a	SEOB0852a	SEOB3137
CR0020	FCR0425	hfcf7399	MIOA2790a	ncr0261	SEOA3187	SEOA8682	SEOB0872a	
CR0206	FCR1541	MIOA0980	MIOA3835	ncr8400	SEOA6280	SEOB0364	SEOB2223	
<b>196. insulin-like growth factor II (IGF-2)X07868</b>					<b>24</b>			
CR0707	FCR2233	FCR5076	fcrb0086	hfcf0512	hfcf1264	HFCR3210	hfcf3896	
FCR1247	FCR4398	FCR6185	fcrb2116	hfcf1057	hfcf1647	hfcf3653	hfcf6550	
FCR1750	FCR4839	FCR7604	hfcf0432	hfcf1157	hfcf2569	hfcf3875	hfcf7606	
<b>197. CD9 antigen (p24/CD9) L08125</b>					<b>24</b>			
CR0271	MIOA0587a	MIOA2542a	mioa9998	miob6921	SEOA1622a	SEOA5341	SEOA9286	
FCR2770	MIOA1814a	MIOA7104a	miob3878	ncr9149	SEOA3593a	SEOA7933a	seob6645	
fcrb2020	MIOA2323a	mioa9420	miob4837	ncr6548	SEOA5154a	seoa8054	seob8332	
<b>198. lactate dehydrogenase A (LDHA) NM_005566.1</b>					<b>24</b>			
FCR4584	hfcf1276	MIOA2189a	ncr1964	ncrc6277	SEOA2542	SEOA3683a	SEOB0063	
FCR7125	MIOA0170	MIOA4901a	ncr2621	SEOA0808	SEOA2684	SEOA6094a	seob4050	
fcrb1519	MIOA1454	MIOA9035	ncrb6167	SEOA1247A	SEOA3138	SEOA7492a	seob5086	
<b>199. poly(A)-binding protein (PABP) U68105</b>					<b>24</b>			
CR0716	HFCR3197	miob6072	ncrb2288	ncrb6910	seoa2058n	SEOA5046a	seob5908	
fcrb0961	hfcf9288	ncr6603	ncrb3185	ncrb8464	SEOA2087	SEOA7270a	seob6202	
fcrb1942	hfcf9963	ncr7069	ncrb3414	ncrc6635	SEOA3477a	SEOA8468	seob7555	
<b>200. mitochondrial ubiquinone-binding protein M26700</b>					<b>24</b>			
fcrb1720	hfcf1047	MIOA5975a	miob0369	miob6022	ncrb4771	SEOA4764a	SEOB0837a	
hfcf0609	MIOA1530	MIOA6363a	miob2378	miob7000	ncrb7806	SEOA5998a	SEOB2121	
hfcf0838	MIOA2765a	mioa9209	miob5470	ncr2965	SEOA1132a	SEOB0803	SEOB2132	
<b>201. "ATP synthase, H transporting, mitochondrial F0 complex, subunit g (ATP5L), mRNA /cds=(73,384) /gb=NM_006476 /gi=5453560 /ug=Hs.107476 /len=482 "Hs.107476</b>								
					<b>24</b>			
BFCN0168n	hfcf6692	miob1479	ncr6126	ncrb5117	ncrc3798	seoa7002	seob6617	
hfcf1792	MIOA4283	miob3229	ncr6223	ncrc2365	ncrc6515	SEOA8968	seob6758	
hfcf1913	MIOA5955a	ncr6036	ncr6236	ncrc3468	seoa6768	SEOB2160	seob7622	
<b>202. MORF-related gene X (KIAA0026) (=MRG15)NM_012286.1</b>					<b>24</b>			
hfcf3501	miob0832	ncr0054	ncr3263	ncrb2263	ncrc4842	SEOB1391	seob4752	
hfcf6768	miob1944	ncr0444	ncrb0151	ncrb3135	ncrc9135	seob4155	seob6197	
mioa9661	miob6758	ncr3096	ncrb0370	ncrc3769	SEOA9283	seob4602	seob7946	
<b>203. brain-expressed HHCPA78 homologue (VDUP1)S73591</b>					<b>24</b>			
FCR0447	ncr0650	ncr1819	ncr8422	ncrc1708	ncrc4409	ncrc7050	SEOB0396	
FCR0735	ncr1194	ncr3777	ncrb7507	ncrc1713	ncrc4650	SEOA0860	SEOB1503	
ncr0066	ncr1688	ncr4078	ncrc1296	ncrc2356	ncrc6656	SEOA0860	SEOB1668	

Figure 6A – Continued

<b>204. PRO1574 (mitochondrial proteolipid 68MP homolog (PLPM) AF116639.1 24</b>							
hfc7596	MIOA5789a	miob3767	ncrb1731	ncrb8732	ncrc2887	SEOA2669	SEOA9889
hfc8228	MIOA7530a	ncr1800	ncrb3385	ncrb8804	ncrc4114	SEOA8959	SEOB3189
MIOA5119a	miob1709	ncr7075	ncrb8564	ncrc0591	ncrc6126	SEOA9152	seob7484
<b>205. heat shock 10kD protein 1 (chaperonin 10) (HSPE1) NM_002157.1 23</b>							
hfc0849	MIOA8715	ncr1936	ncr7291	ncrb6032	ncrc0562	ncrc5738	SEOA9736
MIOA4426	miob6448	ncr3918	ncr8776	ncrb7226	ncrc3725	SEOA4169a	SEOA9810
MIOA5027a	miob6849	ncr6389	ncr9129	ncrc0385	ncrc4367	SEOA5293a	
<b>206. complement factor H (=M17517) Y00716 23</b>							
FCR4832	MIOA0268	MIOA3751a	MIOA5795a	MIOA6523a	MIOB2080	ncrb3127	SEOA7182a
hfc9180	MIOA1338a	MIOA4422	MIOA6210a	MIOA7036a	miob6954	SEOA4625a	seob5601
MIOA0119	MIOA2593a	MIOA4760	MIOA6504a	miob0465	ncr1717	SEOA5210	
<b>207. osteomodulin (OMD) AB000114 23</b>							
MIOA0354a	MIOB2092	ncr1977	ncrc2907	SEOA0231a	SEOA3175	SEOA9350	seob4656
MIOA1786	miob3604	ncr6381	ncrc3306	SEOA0543	SEOA6000a	SEOB0124	seob5948
mioa9359	miob5648	ncrb5344	ncrc9155	SEOA2850	SEOA6326	SEOB3371	
<b>208. epithelial membrane protein 1 (EMP1) NM_001423.1 23</b>							
fcrb1575	MIOA6635a	miob6959	ncr8852	ncrc3465	SEOA8938	SEOB1113	seob6076
MIOA3084a	miob6115	ncr3553	ncr9096	ncrc6606	SEOA8975	seob4601	seob8242
MIOA5409a	miob6841	ncr8411	ncrb8696	SEOA8921	SEOA9898	seob4700	
<b>209. Tigger1 transposable elementU49973.1 23</b>							
fcrb2008	hfc6044	MIOA8111	miob4669	ncr3032	ncrb0232	ncrb4921	SEOA8852
hfc0614	hfc7546	MIOA8290	miob4745	ncr6734	ncrb0808	ncrc4958	seob6206
hfc2710	MIOA5828a	miob0416	miob6698	ncr6987	ncrb1667	SEOA3305n	
<b>210. cysteine dioxygenase D85777 23</b>							
MIOA0195a	MIOA4821a	miob0071	miob5761	SEOA2214a	SEOA7654a	seob2304	soa0201n
MIOA2134	MIOA8805	miob4020	ncrb8177	SEOA3925	SEOA9033	SEOB3014	SOA0410
MIOA3970a	MIOA8962	miob4369	SEOA2134n	seoa4989a	SEOB0531	seob6410	
<b>211. "dynein light chain 1 (hdic1), cytoplasmic "U32944 23</b>							
FCR0542	hfc3684	MIOA6833a	ncr0145	SEOA1538	SEOA6929	SEOB0528	seob5404
FCR1927	hfc9720	MIOA8088	ncr0335	SEOA3233n	SEOA8475	SEOB2930	seob7115
hfc2994	MIOA5621a	MIOB2124	ncr5291	SEOA3990a	SEOA9908	SEOB3039	
<b>212. calcyclin (=M14300 growth factor-inducible 2A9 gene; U04815 protein kinase PITSLRE alpha 1) J02763 23</b>							
BFCN0266	FCR3266	hfc0549	hfc9646	mioa9484	seoa0499m	SEOB0404	seob5777
FCR2682N	FCR7261	hfc2989	MIOA0241a	miob4760	SEOA6019a	SEOB3005	seob6245
fcr2707nn	fcrb2291	hfc8585	MIOA3629a	ncrb8392	SEOA6602a	seob4422	

Figure 6A – Continued

<b>213. "ATP synthase, H transporting, mitochondrial F1F0, subunit g (ATP5JG) "NM_006476.1</b>							<b>22</b>
hfc1106	hfc1416	hfc6665	MIOA6623a	miob3488	SEOA7914a	SEOB1735	seob4756
hfc1422	hfc4813	MIOA4199	mioa9607	miob4355	SEOA8703	seob2546	
hfc2824	hfc6411	MIOA5537a	miob2901	ncrb0646	SEOA9262	SEOB3378	
<b>214. ribosomal protein L29 (RPL29) NM_000992.1</b>							<b>22</b>
FCR0573	FCR4283	FCR6213	fcrb1988	hfc2344	hfc3725	hfc5412	ncrc4861
FCR1943	FCR4621	fcrb0120	hfc1238	hfc2685	hfc3998	hfc8774	
FCR2165	FCR5144	fcrb1453	hfc2078	hfc3628	hfc4807	hfc8880	
<b>215. FK506 binding protein (Fkbp63) AF090334</b>							<b>22</b>
BFC50239n	HFCR3187	hfc7300	miob5901	ncr3908	ncrc8932	SEOA3186	SEOB0535
FCR3766	hfc3635	hfc7652	ncr1683	ncrb3895	SEOA0060	SEOA7212a	
hfc1081	hfc6473	miob3395	ncr3509	ncrb8050	SEOA2451a	seoa8139	
<b>216. "COX17 (yeast) homolog, cytochrome c oxidase assembly protein (COX17) "NM_005694.1</b>							<b>22</b>
MIOA1516	MIOA7047a	miob3231	ncr3734	ncrc5288	SEOA3778a	seob6143	seob8233
MIOA2552a	miob1691	miob3891	ncrb4552	SEOA2090	SEOA7353a	seob7007	
MIOA3919a	MIOB2780	ncr2477	ncrc3007	SEOA3356a	seob4044	seob7216	
<b>217. ribosomal protein S14 (RPS14)NM_005617.1</b>							<b>22</b>
FCR1450	FCR6568	fcrb1640	fcrb1981	fcrb2703	hfc2937	hfc6878	seob5769
FCR1713	fcrb0095	fcrb1762	fcrb2106	hfc1067	hfc2976	hfc6913	
FCR3327	fcrb1416	fcrb1885	fcrb2377	hfc1715	HFCR3137	hfc9478	
<b>218. ribosomal protein S16 M60854</b>							<b>22</b>
BFCW0608	FCR2712	FCR5077	hfc0419	hfc6722	ncr9119	SEOA8395a	seob7712
FCR0847	FCR4344	FCR7154	hfc1776	hfc8278	ncrb5496	SEOB1004	
FCR2152	FCR4741	fcrb1862	HFCR3162	MIOA0486	SEOA0306	seob5377	
<b>219. "solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3 (SLC25A3), nuclear gene encoding mitochondrial protein, transcript variant 1a "NM_005888.1</b>							<b>22</b>
FCR0455	fcrb2051	MIOA0461	MIOA2971a	ncrb1209	SEOA1834a	SEOB1025	seob7440
fcrb0300	hfc0505	MIOA0848a	ncr0578	ncrc0960	SEOA3767a	seob4294	
fcrb1691	hfc7380	MIOA2343a	ncr4835	SEOA0388	SEOA9750	seob4294	
<b>220. "aggreCAN (chondroitin sulfate proteoglycan 1, large aggregating proteoglycan antigen identified by monoclonal antibody A0122) (AGC1) "U13613</b>							<b>22</b>
bfc0134n	FCR4395N	fcrb2217	fcr6665	hfc6741	MIOA0921a	ncr9383	SEOB2211
FCR1127	fcr5224n	fcr7424	hfc0426	hfc8607	miob1933	seoa6856	
FCR2313N	fcrb1563	fcr0720	hfc1175	MIOA0902a	miob5696	SEOA8635	
<b>221. BIP protein X87949</b>							<b>22</b>
BFCW0020	FCR6873	MIOA0993n	MIOA6485a	ncrc9567	SEOA7235a	seob6439	SOA0641
FCR2990	hfc9400	MIOA4836a	miob5638	SEOA4706a	SEOB1191	SOA0248	
FCR3699	MIOA0184	MIOA5602a	ncrb6663	SEOA5429	SEOB2198	SOA0520	

Figure 6A – Continued

<b>222. 78 kD glucose-regulated protein (GRP78) gene (=BiP protein) M19645.1</b>						
						<b>22</b>
SEOB1191	FCR3699	MIOA0993n	MIOA6485a	ncrc9567	SEOA7235a	seob6439
BFCW0020	FCR6873	MIOA4836a	miob5638	SEOA4706a	SEOB1191	SOA0248
FCR2990	MIOA0184	MIOA5602a	ncrb6663	SEOA5429	SEOB2198	SOA0520
						SOA0641
<b>223. ahemoglobin beta chain (HBB) AF117710</b>						
						<b>21</b>
MIOA6356	mioa7836a	miob1935	MIOB2613	miob4001	miob6419	ncrc6171
mioa7692a	MIOA8958	MIOB2211	miob3322	miob4427	ncr5086	ncrc9190
mioa7733a	mioa9436	miob2426	miob3859	miob5029	ncrc2568	SEOA9720
<b>224. cytochrome c oxidase subunit I D38112</b>						
						<b>21</b>
mioa9557	ncr5160	ncr6200	ncrb0843	ncrc1806	ncrc2704	ncrc5673
ncr1513	ncr5237	ncr6277	ncrb2257	ncrc1856	ncrc3916	ncrc5998
ncr1671	ncr5312	ncrb0153	ncrb3402	ncrc2306	ncrc5324	ncrc9235
<b>225. "tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide (YWHAB) "NM_003404.1</b>						
						<b>21</b>
hfc1164	hfc17957	miob3075	ncrb1953	SEOA3467a	SEOA9524	seob5521
hfc12237	MIOA2773a	miob6592	ncrb2474	SEOA6921	SEOB1575	seob6061
hfc16130	mioa9884	ncr2931	ncrb8416	SEOA9172	seob5336	seob6736
<b>226. selenoprotein P (SEPP1) Z11793</b>						
						<b>21</b>
FCR1239N	miob0874	ncr6677	ncrb3990	ncrb5409	ncrc6601	SEOB3097
MIOA3765	miob6077	ncr6719	ncrb5024	ncrb8533	SEOA5303a	seob4529
MIOA9063	miob6603	ncr7684	ncrb5150	ncrc1905	SEOB1638	seob5258
<b>227. elongation factor 2 X51466</b>						
						<b>21</b>
FCR0541	hfc10567	hfc10826	hfc11278	hfc11398	hfc17857	SEOA7232a
FCR3401	hfc10694	hfc10902	hfc11289	hfc11839	ncrb8651	SEOA9872
fcrb0110	hfc10784	hfc11054	hfc11381	hfc12883	SEOA6111a	seob5420
<b>228. ribosomal protein L14 D87735</b>						
						<b>21</b>
FCR0588	FCR2867	fcrb1773	hfc15126	MIOA2213a	ncrb1232	SEOA5649a
FCR1063	FCR5950	hfc10039	hfc18481	miob4776	ncrb4600	SEOB3181
FCR2292	fcrb0678	hfc10916	hfc19518	ncr5981	ncrc3516	seob4814
<b>229. endozepine (putative ligand of benzodiazepine receptor) M15887.1</b>						
						<b>21</b>
FCR6055	MIOA1373a	miob4979	SEOA2143	SEOA4245a	SEOB0636a	SEOB3186
hfc19680	miob3364	miob6078	SEOA2619	SEOA4414a	SEOB0663a	seob5216
MIOA0366a	miob4000	ncrc5539	SEOA4241a	SEOA9139	SEOB1155	seob8031
<b>230. annexin A5 (ANXA5)(lipocortin-V) NM_001154.2</b>						
						<b>21</b>
CR0389	fcrb1792	hfc13472	MIOA2775a	ncr9547	SEOB1355	seob4689
FCR2801	hfc10626	hfc14133	ncr0159	ncrc1597	seob4188	seob5022
fcrb1307	hfc11308	hfc16198	ncr9109	SEOA9192	seob4563	seob5772

## Figure 6A - Continued

<b>231. carboxypeptidase E (CPE) NM_001873.1 21</b>						
BFC50518 n	hfc3742	MIOA3575a	MIOA5174a	miob3307	ncr5368	ncrb7082
FCR2628	hfc7473	MIOA3803	MIOA7336a	ncr1285	ncrb0636	ncrc3351
FCR3543	hfc8715	MIOA4044a	mioa7647a	ncr2298	ncrb1807	ncrc6444
<b>232. collagen type IX alpha 2 (COL9A2)M95610 21</b>						
FCR1285	FCR6241	fcrb1290	hfc3620	hfc4045	hfc7160	hfc9406
FCR1414	FCR6756	hfc0514	hfc3854	hfc5785	hfc8956	hfc9802
FCR2909	FCR6896	hfc0934	hfc3899	hfc6100	hfc9314	hfc9996
<b>233. "myosin, light polypeptide, regulatory, non-sarcomeric (20kD) (MLCB), mRNA /cds=(114,629) /gb=NM_006471 /gi=5453739 /ug=Hs.233936 /len=944 "Hs.233936 21</b>						
mioa7900	hfc2522	SEOA9233	SEOB3012	seob6598	ncrb6190	ncrb2432
hfc7533	miob6293	SEOB0111	SEOB3446	seob6451	ncr6205	ncrc2080
miob5703	ncr2458	SEOB0158	seob5327	MIOA5293a	ncrb0121	ncrb7585
<b>234. "SPARC-like 1 (mast9, hev1) (SPARCL1) "NM_004684.1 20</b>						
FCR4684	MIOA1623a	MIOA5622a	mioa7823a	miob0199	miob4596	ncr8176
FCR4925	MIOA2531a	MIOA7114a	MIOA8601	miob0741	miob4758	ncrb1381
mioa0506m	MIOA2956a	mioa7801a	mioa9518	MIOB1533	miob6099	
<b>235. Cyr61 protein (CYR61) AF031385 20</b>						
FCR0376	hfc4053	MIOA0204a	ncr2826	ncr4768	ncrb4955	seob4290
FCR3098	hfc6724	mioa9610	ncr3592	ncr6596	SEOA2064	seob6374
hfc0698	hfc8231	miob0984	ncr4657	ncr7021	seo2174n	
<b>236. fibrillin (FBN1) X63556 20</b>						
FCR0536	hfc3862	miob0305	SEOA1616a	SEOA6029a	SEOA9528	seob4500
fcfb1405	MIOA6423a	ncr5829	SEOA4360a	SEOA6329	SEOB0326	seob7945
HFCR3251	MIOA8116	ncrc1139	SEOA5726a	SEOA6685a	SEOB2045	
<b>237. trophoblast STAT utron AF080092.1 20</b>						
MIOA7331	miob4433	ncr1959	ncr5430	ncrb0834	ncrc9007	SEOA1385
miob0900	ncr0143	ncr2007	ncr5755	ncrb8551	ncrc9086	SEOA3624a
miob3148	ncr0474	ncr3909	ncr6114	ncrc1918	SEOA1159A	
<b>238. prefoldin 5 (PFDN5) (=D89667 c-myc binding protein) NP_002615.1 19</b>						
ncrc3920	HFCR3231	MIOB2548	ncr7891	ncrc5915	SEOA2441a	SEOA6317
ncrc4212	MIOA0285	ncr1203	ncrb6696	ncrc9784	SEOA3733a	SEOA6606a
BFC50038	MIOA3684a	ncr2756	ncrc3442	SEOA1768a	SEOA3736a	SEOA7409a
hfc2511	MIOA5082a	ncr4406	ncrc4703	SEOA1952	SEOA5488a	SEOA9507
<b>239. cytochrome c oxidase subunit VIIc (COX7C) NM_001867.1 19</b>						
fcfb0703	MIOA7077a	MIOB2553	ncr2262	seo8046	SEOB2757	seob7929
hfc2767	MIOA8045a	miob3919	ncr3535	SEOB1795	seob4679	
MIOA6336a	miob1124	miob4390	ncr8299	SEOB2074	seob6809	

Figure 6A – Continued

240. ring-box 1 (RBX1) NM_014248.1 19						
hfc9741	ncr7182	ncrc0846	SEOA2841	seoa7029	SEOB3400	seob7903
MIOA7103a	ncrb0730	ncrc6763	SEOA3916	SEOB0379	seob5126	
miob5797	ncrb2922	SEOA2285a	SEOA5565a	SEOB1893	seob6556	
241. epididymal seCRetory protein (19.5kD) (HE1) gi5453677 19						
MIOA0315	MIOA3972a	ncr1619	ncrb7171	SEOA0033	SEOA8558	seob5649
MIOA1660a	miob0723	ncr8507	ncrc0133	SEOA7093a	SEOA9671	
MIOA1758	miob6136	ncrb3560	ncrc2560	SEOA8376a	SEOB1325	
242. "SRY (sex-determining region Y)-box 9 (campomelic dysplasia, autosomal sex-reversal)(SOX9) "NM_000346.1 19						
FCR1905	hfc9790	ncr6764	ncrb2414	ncrb4773	ncrb5638	SEOB2779
FCR6688	ncr0625	ncr8239	ncrb2644	ncrb5147	ncrc3855	
hfc2908	ncr5236	ncrb2208	ncrb3987	ncrb5282	SEOA8195a	
243. "H4 histone family, member G (H4FG) "NM_003542.2 19						
MIOA9170	ncr6094	SEOA5568a	SEOA7082a	SEOB1090	SEOB3130	seob6900
miob0857	ncrb1291	SEOA5660a	SEOA7389a	SEOB2050	seob4681	
miob5495	SEOA5507a	SEOA6503a	SEOA9985	SEOB2123	seob6187	
244. napolipoprotein D (APOD) J02611 19						
MIOA0776	ncr6928	ncr9773	ncrb5196	ncrc0513	ncrc3594	ncrc9722
MIOA2245a	ncr8230	ncrb0351	ncrb6142	ncrc1596	ncrc4933	
ncr6167	ncr9616	ncrb3441	ncrb7993	ncrc2712	ncrc9460	
245. cathepsin K (pseudodysostosis)(CTSK) NM_000396.1 19						
FCR0846	hfc3721	miob0063	ncr3385	ncr9593	seoa4917a	seob7135
hfc1240	hfc7982	miob1956	ncr5507	SEOA1363	SEOB0338	
hfc1303	MIOA8053a	ncr0609	ncr7917	SEOA2426a	seob4495	
246. peptidylglycine alpha-amidating monooxygenase (PAM)M37721 19						
FCR1299	MIOA1371a	MIOA8844	ncr5383	ncrb3340	SEOA7527a	seob6023
hfc9244	mioa7935	mioa9405	ncr9348	ncrb3847	SEOA9853	
MIOA0802	MIOA8058a	MIOB0550	ncrb0263	SEOA2063	SEOB1126	
247. zinc finger protein 216 (ZNF216) AF062072.1 19						
FCR4966	MIOA0085a	MIOA8929	ncr5542	ncrb3469	ncrc1801	SEOA6627a
hfc6024	MIOA3342a	ncr0596	ncr8484	ncrb5243	ncrc3922	
hfc6463	MIOA8599	ncr1289	ncrb2097	ncrb6726	SEOA2421a	
248. heterogeneous nuclear ribonucleoprotein D-like (HNRPDL) NM_005463.1 19						
FCR0349	hfc6195	MIOA7607a	ncr8367	ncrc9060	seoa8070	SOA0579
fcrb1968	MIOA3018a	MIOA8315	ncrb5972	SEOA0540n	SEOA8947	
fcrb2164	MIOA6588a	miob2461	ncrc0346	SEOA1306a	SEOB2030	



Figure 6A – Continued

249. chondromodulin I precursor (CHM-I) NM_007015.1						19		
FCR4903	fcrb0019	fcrb2504	HFCR2380	hfcf5057	ncf5210	ncrc0531		
FCR5145	fcrb0716	fcrb2619	hfcf3051	hfcf6914	ncrb2479			
FCR5420	fcrb1265	hfcf0292	hfcf3778	hfcf8401	ncrb8252			
250. osteoclastogenesis inhibitory factor AB008822						19		
FCR0188	MIOA1502	MIOA6530a	miob5658	SEOA5973a	SEOB0230	SOA0365		
FCR1309	MIOA2604a	MIOA8215	SEOA3102a	SEOA6128a	SEOB3364			
MIOA1441	MIOA4918a	MIOB1527	SEOA5403	SEOA9619	seob7546			
251. enolase 1 (alpha) (ENO1) NM_001428.1						19		
CR0911	FCR4596	fcrb0365	hfcf2664	hfcf6373	hfcf8541	seob8321		
FCR0019n	FCR5921	hfcf0380	hfcf2782	hfcf7782	MIOB1555			
FCR0298	FCR7060	hfcf2330	hfcf5091	hfcf8490	SEOA0829			
252. v-fos FBJ murine osteosarcoma viral oncogene homolog (FOS) NM_005252.2						19		
FCR6019	hfcf0182	hfcf1921	hfcf4101	MIOA6738a	ncf4153	seob4446		
fcrb0420	hfcf1401	hfcf2044	hfcf8479	ncf0168	ncf6045			
fcrb2098	hfcf1909	hfcf3964	hfcf8828	ncf2021	ncrb1996			
253. npalladin (KIAA0992)= CGI-151 NM_016081.1						19		
BFC50088	MIOA6104a	ncf8677	ncrc3268	SEOA3392a	SEOB1185	seob7471		
FCR7367	miob6323	ncrc1607	ncrc4684	SEOA5310a	SEOB1866			
FCR7425	ncf5146	ncrc3233	ncrc9805	SEOA8733	seob5235			
254. heterogeneous nuclear ribonucleoprotein D (hnRNP D) (52% aa) D55671						19		
FCR0349	hfcf6195	MIOA7607a	ncf8367	ncrc9060	seoa8070	SOA0579		
fcrb1968	MIOA3018a	MIOA8315	ncrb5972	SEOA0540n	SEOA8947			
fcrb2164	MIOA6588a	miob2461	ncrc0346	SEOA1306a	SEOB2030			
255. "procollagen-lysine, 2-oxoglutarate 5-dioxygenase (lysine hydroxylase) 2 (PLOD2), mRNA /cds=(0,2213) /gb=NM_000935 /gi=4505888 /ug=Hs.41270 /len=3503 "Hs.41270						19		
seoa7848a	MIOA5244a	miob2475	ncrb4358	ncrc8982	seob5353	seob7512		
FCR5085	mioa5668n	ncf0800	ncrb6691	ncrc9078	seob5515			
hfcf7472	miob0240	ncrb0840	ncrb7447	seoa3271n	seob7196			
256. lysyl oxidase U22384						18		
FCR0075	FCR4305	FCR6562	ncf6188	ncrb5595	ncrc5297	SEOA3215	SEOA5558a	SEOB3011
FCR1083	FCR6194	hfcf1263	ncrb1782	ncrc0112	SEOA2308a	SEOA4881a	SEOA7614a	seob3897
257. "gap junction protein, alpha 1, 43kD (connexin 43) (GJA1) "NM_000165.2						18		
hfcf0652	SEOA3820a	seoa8138	SEOA9241	SEOA9956	SEOB2984	SEOB3553	seob5082	seob5785
miob1760	SEOA4172a	SEOA9143	SEOA9704	SEOB1628	SEOB3096	seob4441	seob5646	seob7105
258. procollagen C-endopeptidase enhancer 2 (PCOLCE2) NM_013363.1						18		
hfcf3052	miob2361	miob3749	miob5783	miob5895	miob6487	ncf0460	ncf0701	ncf1138

Figure 6A - Continued

ncr3217 ncr4147	ncrb1431 ncrb5289	ncrc0492 ncrc2260	ncrc2682 ncrc3581	ncrc4233 SEOB0301	seob6080			
<b>259. NADH dehydrogenase subunit 4L (RefSeq aa 2e-45) gi5835396</b>						<b>18</b>		
miob0758 ncr1256	ncr2398 ncr2629	ncr5195 ncr6047	ncr6331 ncr6746	ncr7396 ncr7857	ncr8017 ncr8689	ncr9504 SEOA4187a	SEOA4736a SEOA9155	seob4470 seob5245
<b>260. ubiquinol-cytochrome c reductase complex (7.2 kD); hypothetical protein (RefSeq aa 2e-35) NP_037519.1</b>							<b>18</b>	
hfc0609 hfc0838	MIOA2704a MIOA4796a	MIOA6363a mioa9209	miob5470 miob6022	miob6447 miob7000	ncr0944 ncr0944	ncrb4771 ncrb6632	SEOA6131a SEOA6887	SEOA8957 seob4118
<b>261. "ATPase, H transporting, lysosomal (vacuolar proton pump) 9kD (ATP6H) "NM_003945.1</b>							<b>18</b>	
hfc0829 miob0432	miob1893 ncr0721	ncr1895 ncr4666	ncr5109 ncr5336	ncrb4794 ncrb8543	ncrb8752 ncrc2468	SEOA2943a SEOA9395	SEOB3421 seob6087	seob6416 seob8163
<b>262. "ATP synthase, H transporting, mitochondrial F1 complex, gamma polypeptide 1 (ATP5C1), nuclear gene encoding mitochondrial protein "NM_005174.1</b>							<b>18</b>	
fcr3713n hfc0129	hfc1342 hfc5961	hfc8370 miob0415	miob2511 miob2532	miob6644 ncr3316	ncr5416 seoa7812a	seoa7869a SEOA9407	SEOB3093 seob4381	seob4691 seob5796
<b>263. muscleblind (Drosophila)-like (MBNL) (=KIAA0428) NM_021038.1</b>							<b>18</b>	
fcr3551n MIOA5519a	MIOA7495a miob3391	ncr5842 ncr7192	ncr7810 ncrb4376	ncrc5239 ncrc5360	ncrc6988 SEOA4831a	SEOA5291a SEOA5405	SEOB3429 SEOB3461	seob4642 seob5624
<b>264. calumein (Calu) (calumenin)AF013759</b>							<b>18</b>	
BFCS0330 FCR1055	FCR2755 FCR7247	FCR7741 hfc7784	hfc8986 hfc9617	MIOA7436a miob1855	ncr3808 ncrb0525	SEOA1979a SEOA2459a	seoa6958 SEOA9115	SEOB1418 seob7098
<b>265. "ATP synthase, H transporting, mitochondrial F1 complex, alpha subunit, isoform 1, cardiac muscle (ATP5A1)(ORF) "NM_004046.1</b>							<b>18</b>	
fcr3713n hfc0129	hfc1342 hfc5961	hfc8370 miob0415	miob2511 miob2532	miob6644 ncr3316	ncr5416 seoa7812a	seoa7869a SEOA9407	SEOB3093 seob4381	seob4691 seob5796
<b>266. "guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1 (GNAS1) "NM_000516.2</b>							<b>18</b>	
FCR3053 fcrb0564	fcrb2083 hfc2856	hfc4208 hfc6873	hfc7607 MIOA3737a	ncr1206 ncrb2324	ncrb7659 ncrc1538	ncrc2720 ncrc3312	ncrc4566 SEOA9802	seob7982
<b>267. vacuolar H-ATPase subunit AF038954</b>							<b>18</b>	
hfc0829 miob0432 miob1893	ncr0721 ncr1895 ncr4666	ncr5109 ncr5336 ncrb4794	ncrb8543 ncrb8752 ncrc2468	SEOA2051 SEOA2943a SEOA9395	SEOB3421 seob6087 seob6416	seob8163		
<b>268. ribosomal protein 40S S27 isoform (RefSeq aa 4e-35) NP_057004.1</b>							<b>18</b>	
ncrb6528 ncrb7612	ncrc6387 SEOA6886	SEOA8460 SEOA9136	SEOA9785 SEOB0001	SEOB0036 SEOB0673a	SEOB1474 SEOB2119	seob4313 seob4515	seob4920 seob5725	seob6633 seob7523

Figure 6A – Continued

<b>269. elongation factor 1 beta 2 (EEF1B2) NM_001959.1 17</b>								
fcrb2491	hfc3025	hfc4760	hfc7692	hfc8590	miob0246	miob3475	ncrb3376	seob7649
hfc1189	hfc3763	hfc6701	hfc8402	hfc9638	miob2369n	ncr8579	seoa8006	
<b>270. "laminin receptor 1 (67kD, ribosomal protein SA) (LAMR1)(ORF) "NM_002295.1 17</b>								
ncrc4969	FCR1495N	FCR4902	FCR7681	hfc6507	MIOA6326a	ncr9496	ncrc3364	ncrc9393
ncrc5164	FCR2185	FCR5901	hfc1668	hfc8736	ncr1113	ncrb3108	ncrc4771	seob7177
BFCW0145	FCR3371	FCR5915	hfc2624	MIOA4639a	ncr8688	ncrc1245	ncrc9228	
<b>271. B-cell translocation protein 1 (BTG1) X61123 17</b>								
FCR0133	hfc8744	hfc9921	miob2453	ncr4646	ncr7707	SEOA1596a	SEOA5117a	SEOA9922
FCR2140	hfc8750	MIOA0540	ncr3177	ncr7449	ncrb0570	seoa4915a	SEOA5446	
<b>272. NADH dehydrogenase(ubiquinone) Fe-S protein 5 (15kD) (NADH-coenzyme Q reductase) (=NADH-ubiquinone oxidoreductase 15kDa subunit ) NM_004552.1 17</b>								
fcrb2760	hfc8032	mioa8199n	miob6599	ncr4178	ncrb7952	ncrc5316	ncrc5993	SEOB0089
hfc6789	hfc9535	miob5856	ncr1939	ncrb3188	ncrb8297	ncrc5464	seoa2647n	
<b>273. dolichyl-phosphate beta-glucosyltransferase (ALG5) AF102850.1 17</b>								
hfc0014	hfc0361	hfc0953	hfc3751	hfc4103	hfc4214	hfc5450	ncr9289	seob5972
hfc0255	hfc0928	hfc3678	hfc3855	hfc4119	hfc4335	MIOA1571	seob5213	
<b>274. frizzled-related protein (FRZB) NM_001463.1 17</b>								
FCR6733	hfc6164	miob5102	ncr5454	ncrb0850	ncrc2191	ncrc6735	SEOA5370	seob6242
fcrb2499	MIOA1933a	ncr2136	ncr6741	ncrb5140	ncrc4940	seoa0985m	SEOA9209	
<b>275. pp21 homolog AF125535.1 17</b>								
hfc3933	MIOB2177	MIOB2642	seoa8154	SEOB0937	seob5137	seob5702	seob6734	seob8221
miob0126	MIOB2183	SEOA1316n	SEOA9831	SEOB2103	seob5539	seob6207	seob6739	
<b>276. neuroendocrine-specific protein C like (foocen) (NSP-CL) reticulon 4 (RTN4) NM_007008.1 17</b>								
FCR5928	MIOA2571a	miob0141	ncr2958	ncrc8861	SEOA9400	seob2312	seob7329	SOA0713
MIOA2235a	MIOA4035a	miob5644	ncrb6109	SEOA2505	SEOB1319	seob5009	seob7385	
<b>277. testis enhanced gene transCRipt protein (TEGT) AF033095 17</b>								
FCR0759	hfc0912	mioa0788m	MIOA1902a	ncr2465	ncr6541	ncr8033	SEOA5426	SEOA8310a
FCR6541	hfc8932	MIOA0974	mioa6645a	ncr2660	ncr7129	ncrc1631	SEOA6697a	
<b>278. SOD-2 manganese superoxide dismutase X65965 17</b>								
hfc8900	miob0135	miob2977	ncr3482	ncrc3509	ncrc5440	SEOA2919a	SEOB0163	SOA0427
MIOA7395a	miob2966	ncr3211	ncrb6672	ncrc3605	ncrc7024	SEOA4477a	seob4553	
<b>279. decay-accelerating factor M31516 17</b>								
MIOA0577a	MIOA2185a	miob2364	miob3564	ncrc6575	ncrc9345	seoa3258m	SEOB2262	seob4465
MIOA0749	miob0899	miob3451	ncrc4814	ncrc9272	SEOA0895	SEOB0188	SEOB2714	

Figure 6A – Continued

<b>280. ametallothionein-1e (hMT-1e) M10942 17</b>								
MIOA7500	ncr2321	ncr9955	ncrb0108	ncrb4871	ncrc3169	ncrc3952	ncrc9597	SEOA6348
miob6431	ncr5594	ncrb0036	ncrb4320	ncrc2985	ncrc3667	ncrc4932	SEOA2487	
<b>281. platelet-derived growth factor receptor alpha (PDGFRA) M21574 17</b>								
FCR1046	hfc5079	MIOA2041	MIOA5913a	miob5411	ncr9016	ncrc9910	SEOA7908a	SEOB1142
FCR3287	hfc5839	MIOA3938a	MIOA6112a	ncr7509	ncrc5200	SEOA7266a	SEOA9123	
<b>282. miCRosomal signal peptidase AF061737 17</b>								
FCR2102	FCR7159	MIOA2490a	miob6747	ncrb6431	ncrc1025	SEOA1422a	SEOA8551	SEOB1193
fcr4976n	MIOA2478a	MIOA7562a	ncrb4948	ncrb6750	ncrc7181	SEOA7060a	SEOB0490	
<b>283. enhancer of rudimentary homologue U66871 17</b>								
FCR3200	FCR5961	hfc8765	MIOA2965a	miob1857	ncr4352	ncr8475	SEOA4019a	SEOB2241
FCR3577	hfc8051	mioa1036m	miob0677	miob3899	ncr7070	ncrb7162	SEOA6480a	
<b>284. tomoregulin AB004064.1 17</b>								
fcrb0009	hfc7796	miob1787	miob3316	ncrb5375	SEOA9257	SEOB3563	seob5670	seob7517
hfc3414	miob0850	MIOB2852	ncr5437	SEOA8442	SEOB3502	seob4913	seob7210	
<b>285. cell division cycle 10 (homologous to CDC10 of S. cerevisiae) (CDC10) NM_001788.1 17</b>								
FCR2089	FCR3759	hfc1754	MIOA8378	ncrb2452	ncrc9542	SEOA1851a	seob3888	seob8281
ncrc9542	FCR6393	MIOA0381a	ncr7372	ncrc4668	seoa0102m	SEOA5917	seob8275	
<b>286. cytochrome c oxidase subunitIII (RefSeq aa 8e-49) 5835394 17</b>								
ncrc1381	ncr4858	ncrb0017	ncrb2489	ncrc0317	ncrc2235	ncrc4489	ncrc5441	ncrc6091
ncrc5195	ncr5131	ncrb1983	ncrb8746	ncrc0555	ncrc2961	ncrc4977	ncrc5441	
<b>287. t-complex-associated-testis-expressed 1-like 1 (TCTEL1) NM_006519.1 17</b>								
hfc5977	MIOA4605a	ncr0828	ncr6135	ncr7799	ncrb4478	ncrb6371	ncrc2830	seob3279n
hfc9302	miob0178	ncr5497	ncr6595	ncrb1626	ncrb6367	ncrb7887	ncrc6581	
<b>288. "guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1, clone MGC:15368 IMAGE:4106768, mRNA, complete cds "BC008855.1 17</b>								
fcrb0564	fcrb2608	hfc2856	hfc6873	ncr1206	ncrb7659	ncrc2720	ncrc4566	seob7982
fcrb2083	fcrb2675	hfc4208	hfc7607	ncrb2324	ncrc1538	ncrc3312	SEOA9802	
<b>289. "DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 5 (RNA helicase, 68kD) (DDX5) "NM_004396.1 16</b>								
fcrb0621	MIOA8782	miob3177	miob5949	ncrc4028	seoa7006	seob5751		
hfc3002	miob0378	miob3276	miob6773	SEOA3352a	SEOA8356a			
<b>290. calpactin 1 light chain M81457 16</b>								
MIOA0917a	miob4884	SEOA1763a	SEOA3273n	SEOA3876	SEOA5961	SEOA8587	SEOB2219	
MIOA2784a	SEOA1736a	SEOA2968a	SEOA3307	SEOA5569a	SEOA7205a	SEOB0285	SEOB2681	

Figure 6A – Continued

<b>291. hairy (Drosophila)-homolog (HRY) NM_005524.2 16</b>							
MIOA9166	miob5836	ncr1833	ncr2996	ncrb0718	ncrb6955	ncrc4471	SEOA7953a
miob4995	ncr0183	ncr1901	ncr3851	ncrb5702	ncrc2027	ncrc9249	SEOA9097
<b>292. rapa-2 (rapa gene) AJ277276.1 16</b>							
fcrb0345	hfc0003	hfc0393	hfc3389	hfc4659	hfc6214	hfc6779	hfc6906
fcrb1056	hfc0385	hfc3369	hfc3871	hfc5122	hfc6317	hfc6903	hfc7346
<b>293. "deiodinase, lodothyronine, type II (DIO2), transCRipt variant 1 "gi7549802 16</b>							
miob6287	ncr1345	ncr7253	ncrb2028	ncrb2772	ncrb6654	ncrc3049	ncrc8891
ncr0902	ncr1627	ncrb1228	ncrb2058	ncrb4789	ncrb7188	ncrc3877	SEOB1268
<b>294. ADP-ribosylation factor 4 (ARF4) AF104238.1 16</b>							
MIOA0013a	miob4316	ncr8452	ncrb3973	ncrc1496	SEOA5652a	SEOA7343a	seob4251
MIOA6439a	ncr5196	ncrb0810	ncrb4061	SEOA4281a	seoa7018	seoa7759a	seob5745
<b>295. KVLQT1 gene (=p150)AJ006345.1 16</b>							
hfc3775	MIOA0061a	MIOA3695a	MIOA7334a	ncr4048	ncr7137	ncrb1701	ncrc0505
hfc9450	MIOA2978a	MIOA5265a	miob6704	ncr6696	ncr8660	ncrb7100	seob7430
<b>296. thrombospondin 2 (THBS2) L12350 16</b>							
FCR1336	FCR3370	hfc0291	ncrc5883	SEOA2455a	SEOA6905	seoa7807a	SEOB0123
FCR2141	FCR6952	MIOA8304	ncrc9957	SEOA2831n	SEOA7593a	seoa8097	SEOB0410
<b>297. "fatty acid binding protein 4, adipocyte (FABP4), mRNA /cds=(47,445) /gb=NM_001442 /gi=4557578 /ug=Hs.83213 /len=619 "Hs.83213 16</b>							
MIOA5583a	mioa7723a	mioa7892	mioa9575	mioa9745	miob1199	miob3155	miob6651
MIOA6577a	mioa7818a	mioa9547	mioa9612	mioa9757	miob1343	miob6508	SEOA4424a
<b>298. p40 AAC51266.1 16</b>							
MIOA8456	miob6410	ncr8062	ncrc2019	ncrc2632	SEOB1737	seob4249	seob8025
mioa9960	ncr7569	ncrb0428	ncrc2421	ncrc3070	seob3844	seob6622	seob8207
<b>299. TI-227H (=tomoregulin; mitochondrial)D50525 16</b>							
hfc6746	MIOA4915a	ncrb0156	ncrb6158	ncrb8012	ncrc2139	SEOA0515	seob3601
hfc7806	ncr5437	ncrb4149	ncrb6360	ncrb8434	ncrc5677	SEOB3502	seob4664
<b>300. cyclin I D50310 16</b>							
FCR6877	fcrb1464	MIOA2886a	miob0137	ncrb0272	ncrc3844	SEOA5769	seob7021
fcrb0677	fcrb2275	MIOA9014	ncr5249	ncrb2704	SEOA2837	SEOB3183	SOA0525
<b>301. "S100 calcium-binding protein A10 (annexin II ligand, calpactin I, light polypeptide (p11)) (S100A10) "NM_002966.1 16</b>							
ncrc6127	MIOA8130	ncrc3807	seob5087	seob5292	seob7460	SEOA9659	SEOA9691
ncr9646	miob0686	SEOB2130	seob5107	seob5648	seob5893	mioa9434	SEOA3273n

Figure 6A – Continued

<b>302. ribosomal protein L28U14969 16</b>							
FCR3685	FCR5469	hfc1824	hfc17392	hfc2235	hfc9020	fcrb0010	hfc9872
BFCN0034	FCR7290	hfc6942	hfc0889	hfc6267	fcrb1186	fcrb1000	fcrb2713
<b>303. glucocorticoid-induced GILZ AF228339 16</b>							
ncrb3628	ncrc4721	ncr9178	hfc1866	hfc9358	ncrc1704	SEOA7394a	ncrb8665
ncr5693	ncrc5763	ncr1667	hfc6635	MIOA7092a	SEOA5264a	seob8258	seob4041
<b>304. collagen type V alpha 2 (COL5A2)M11718 15</b>							
hfc0692	hfc3750	mioa6246a	ncrb4867	seoa4971a	seoa8393an	SEOA9535	seob6479
hfc0832	hfc6073	mioa9938	SEOA4846a	seoa6419n	seoa8393an	SEOA9668	
<b>305. "H3 histone, family 3A (H3F3A) "NM_002107.1 15</b>							
fcrb0728	hfc0574	hfc6070	hfc8767	ncrb3203	ncrb8743	seob2329	seob6674
fcrb1821	hfc5845	hfc6281	hfc9782	ncrb5790	SEOA9693	seob4122	
<b>306. "neural precursor cell expressed, developmentally down-regulated 5 (NEDD5) "NM_004404.1 15</b>							
FCR2089	FCR6785	hfc0837	MIOA0951	mioa9366	ncrb6204	SEOB1151	SOA0100
FCR4924	fcrb2635	hfc6723	MIOA6248a	ncrb1349	ncrb8561	seob5400	
<b>307. heat shock factor binding protein 1 (HSBP1) NM_001537.1 15</b>							
fcrb1777	miob5862	ncrb4380	SEOA4024a	SEOA6354	SEOA8902	SEOB2208	seob3916
MIOA1255m	ncr7470	SEOA0509	SEOA5851	seoa6834	SEOB0101	SEOB2945	
<b>308. glypican 3 (GPC3) (chromosome X) (=L47176 GTR2-2) L47125 15</b>							
FCR0107	fcrb1848	hfc0861	hfc2549	hfc4266	hfc7490	hfc9156	hfc9601
fcrb0751	fcrb2136	hfc2498	hfc3504	hfc5994	hfc8374	hfc9472	
<b>309. translocation protein 1(TLOC1) NM_003262.1 15</b>							
FCR2485	hfc9543	MIOA5784a	miob0372n	miob7015	ncr6289	ncrb1747	ncrc2675
hfc3911	MIOA3185a	MIOA6270a	miob5755	ncr5465	ncrb1723	ncrb8259	
<b>310. thrombospondin 4 (THBS4) NM_003248.1 15</b>							
hfc4670	hfc6189	MIOA2828a	miob5746	ncr0692	ncrb6505	ncrb8139	ncrc9921
hfc6037	hfc9433	miob3329	ncr0164	ncr7649	ncrb6507	ncrc9757	
<b>311. 6.2 kd protein AJ011007 15</b>							
MIOA4177	ncr6892	ncr8110	ncrb1495	ncrb6119	ncrc1696	ncrc4632	ncrc6050
ncr2492	ncr7965	ncrb0317	ncrb2966	ncrb6205	ncrc3935	ncrc5244	
<b>312. "mannosidase, beta A, lysosomal (MANBA) gene, and ubiquitin-conjugating enzyme E2D 3 (UBE2D3) genes, complete cds "AF224669.1 15</b>							
fcrb2158	hfc9522	ncr2012	ncr7125	ncrb8391	SEOA9333	seob4910	seob6136
hfc9008	miob6641	ncr5211	ncrb6794	ncrc9207	SEOB0295	seob5524	

Figure 6A – Continued

<b>313. ubiquitin-like 1 (sentrin) (UBL1) (=SUMO-1)NM_003352.1 15</b>							
fcrb2299	MIOA1514	MIOA3298a	MIOA6545a	miob6701	miob6966	ncrb5111	SEOA7278a
hfc7812	MIOA2366a	MIOA4597a	MIOA9158	miob6839	ncrb1915	ncrb7655	
<b>314. TGF-betaIIIR alpha D50683 15</b>							
fcrb1569	miob3701	ncr4732	SEOA4878a	seoa8150	SEOB3138	seob7413	
MIOA0324	ncr0091	ncrb8188	seoa7877a	SEOB2962	seob6540	seob8187	
<b>315. "H2A histone family, member Z (H2AFZ) = D28450.1 "NM_002106.1 15</b>							
fcrb0069	fcrb2616	ncr0833	ncr8131	ncrb1741	ncrb6897	ncrc6131	SEOA9935
fcrb1660	hfc4345	ncr5159	ncrb1101	ncrb2751	ncrc0444	ncrc6991	
<b>316. MAFB/Kreisler basic region/leucine zipper transCRiption factor (MAFB) AF134157.1 15</b>							
hfc3058	SEOA0180a	SEOA1690a	SEOA2929a	SEOA8326a	SEOA9070	seob5371	seob7477
ncrc4224	seoa0260m	SEOA1819a	SEOA3962a	SEOA8976	SEOA9680	seob5999	
<b>317. cig19 (=D31887.1 KIAA0062) AF026940.1 15</b>							
hfc1965	MIOB2703	ncr4393	ncrb4383	ncrc9696	SEOA4722a	SEOA6527a	seob5027
MIOA4567a	ncr2005	ncr7680	ncrc0876	SEOA3008a	SEOA6292	SEOB2802	
<b>318. UMP-CMP kinase AF110643.1 15</b>							
MIOA1365a	MIOA7560a	miob0186	ncrc0572	seoa4939a	SEOB0045	SEOB1884	seob6043
MIOA7266a	MIOA9137	ncrb2630	ncrc4257	SEOA6412	SEOB1232	seob5801	
<b>319. cytochrome c oxidase subunit II gene (ORF) AF004339 15</b>							
FCR3769	hfc8463	MIOA4601a	ncr5293	ncrb2486	ncrc0064	ncrc1831	ncrc4975
hfc1831	MIOA4601a	ncr1620	ncrb0496	ncrb4172	ncrc1511	ncrc4860	
<b>320. cytosolic selenium-dependent glutathione peroxidase (=L09159 RHOA proto-oncogene multi-drug-resistance protein) M83094 15</b>							
BFC50206	MIOA0220a	MIOA3294a	miob1458	miob1894	ncrc4029	SEOA9393	seob5049
ncrb0870	MIOA2195a	miob0947	miob1748	ncrb2586	ncrc9885	seob4283	
<b>321. collagen type XIV variant C-terminal NC1 and 3'UTR Y11711 15</b>							
BFC50522	FCR1646	hfc1344	MIOA2838a	ncr1024	ncr9503	ncrc4809	ncrc6460
FCR0816	FCR3768	hfc1775	MIOA9064	ncr1338	ncrb2515	ncrc6241	seob5159
<b>322. phosphoglycerate mutase (PGAM-B) J04173 15</b>							
BFCW0352	FCR6693	hfc3845	MIOA1429	SEOA3533a	SEOB0725	seob3893	seob7720
FCR2076	hfc2965	hfc6961	ncrc3529	seoa7828a	seob2297	seob6729	
<b>323. phosphoglycerate kinase 1 (PGK1) (ORF) NM_000291.1 15</b>							
fcrb0185	hfc9745	mioa9525	ncrb5872	ncrc2098	SEOB0670a	SEOB2750	seob6351
hfc7097	MIOA9052	ncr0939	ncrc1503	SEOA9010	SEOB2062	seob3387n	

Figure 6A - Continued

<b>324. reverse transcriptase related proteinprf1207289A 15</b>							
hfcf5810	miob7018	ncf7663	ncrb0058	ncrb2808	ncrb3960	ncrc2318	seob6545
miob6700	ncf5586	ncf8851	ncrb1127	ncrb3038	ncrc2149	ncrc4513	
<b>325. Heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A) NM_004501.1 15</b>							
FCR2042	FCR7696	MIOA3671a	MIOB2606	ncf1165	ncrb3222	SEOA0939	seob6049
FCR6889	MIOA3620a	miob1275	miob5679	ncf6939	ncrc5417	SEOA9383	
<b>326. collagen type XII alpha 1 (COL12A1) U57362 15</b>							
BFCW0395	CR0866	fcr4678n	FCR7100	fcrb1407	MIOA3675a	SEOA1025	SEOA6056a
CR0076	FCR0866	FCR6369	FCR7288	HFCR2379	MIOA4015a	SEOA2365a	
<b>327. small nuclear ribonucleoprotein D2 polypeptide (16.5kD) (SNRPD2) NM_004597.3 14</b>							
fcrb0985	mioa9470	ncf1413	ncf9880	ncrb7754	SEOA9585	seob7497	
hfcf7462	miob3301	ncf8798	ncrb5052	SEOA8206	seob3734	seob8055	
<b>328. Cu/Zn superoxide dismutase (SOD) X02317 14</b>							
FCR6102	hfcf8874	MIOA9169	miob3138	SEOA1101a	SEOA2727	seob2608	
hfcf3731	MIOA5160a	MIOB2635	ncrc4376	SEOA1268A	SEOA8342a	seob7364	
<b>329. Nnuclease sensitive element binding protein 1 (NSEP1) = L28809.1 dbpB-like protein (ORF) NM_004559.1 14</b>							
FCR2939	hfcf6678	MIOA4737	ncrb0819	SEOA1238A	SEOA9679	SEOB2988	
hfcf3434	hfcf9668	MIOA8629	ncrc8901	SEOA8619	SEOB1772	seob5301	
<b>330. phospholipase A2 M86400 14</b>							
MIOA2136	miob2432	miob4828	ncrb1392	SEOA1403	SEOA2378a	SEOB3568	
mioa9884	miob3597	ncf1732	ncrb1953	SEOA1427a	SEOA9524	seob8096	
<b>331. glutamine synthetase S70290 14</b>							
MIOA4201	ncf7533	ncrb1325	ncrb4472	ncrc6671	ncrc9338	SEOA7552a	
ncf7420	ncrb1309	ncrb1878	ncrc2437	ncrc9174	ncrc9969	SEOB2955	
<b>332. cathepsin B (CTSB) L22569 14</b>							
FCR2119	hfcf9002	miob4773	ncrb7777	SEOA4703a	SEOA6052a	seob1053	
hfcf7871	MIOB2795	ncf2242	ncrc3151	SEOA5433	SEOA9083	seob8032	
<b>333. thyroid receptor interactor (TRIP7) L40357 14</b>							
FCR6704	hfcf8493	MIOA6546a	miob4925	ncf9546	SEOA7469a	seob4762	
hfcf5410	MIOA1247	mioa9893	ncf7617	ncrb1198	SEOB0010	seob7634	
<b>334. alpha-2-macroglobulin D83196 14</b>							
CR0112	hfcf7076	mioa7943	miob1378	miob5627	ncrb5537	ncrc9619	
FCR5854	MIOA3772	mioa9817	miob2385	ncf1275	ncrb5865	SEOA1661a	



Figure 6A - Continued

<b>335. Tis11d geneU07802 14</b>						
CR0496	FCR3451	hfc8497	miob3896	ncr5461	ncr9142	ncrb7969
FCR0253	hfc0547	MIOA1535	miob6162	ncr8884	ncrb5080	ncrc6872
<b>336. vacuolar sorting protein VPS29/PEP11 (LOC51699) NM_016226.1 14</b>						
hfc6881	MIOA5730a	MIOB1568	ncrb4877	SEOA7543a	seob5045	seob6569
hfc9626	MIOA8246	ncr2248	SEOA5766	seob2604	seob5706	seob7384
<b>337. low molecular mass ubiquinone-binding proteinD50369 14</b>						
FCR2991	hfc2646	ncr1603	ncr7460	SEOA0176a	SEOA7629a	seoa8045
FCR7364	hfc9416	ncr7247	ncrb1907	SEOA5354	seoa7868a	SEOA9331
<b>338. Ku autoimmune antigen gene J04977.1 14</b>						
FCR0653	MIOA1602a	MIOA3680a	miob1804	miob6317	ncr0258	SEOB3440
MIOA1532	MIOA2183a	MIOA4039a	miob4819	miob6911	SEOA3837	seob3998
<b>339. transforming growth factor beta-stimulated protein TSC-22 (TSC22) NM_006022.1 14</b>						
fcrb0349	hfc3050	hfc6448	mioa9403	ncr1471	ncr4787	ncrc5607
hfc2723	hfc9167	MIOA6889a	miob6391	ncr4524	ncrb3821	ncrc6092
<b>340. caldesmon M64110 14</b>						
MIOA2292a	miob3460	seoa0807m	SEOA5711a	SEOA9254	seob5202	seob7763
MIOA6949a	SEOA0282	SEOA2519	SEOA8350a	SEOB3381	seob6640	SOA0068
<b>341. HSPC330 mRNA(=HSPC016) AF161448.1 14</b>						
fcrb1888	hfc0240	hfc4067	ncr2059	ncrb7599	seob3875	seob6067
fcrb2719	hfc2635	ncr1733	ncr3556	seoa7837a	seob4169	seob7037
<b>342. syndecan binding protein (syntenin) (SDCBP)(ORF) = AF000652.1 NM_005625.1 14</b>						
FCR2042	MIOA3620a	MIOA9097	miob2839n	ncr6939	ncrb4505	SEOA9383
FCR2427	MIOA3671a	MIOB2606	ncr4115	ncr7354	ncrc5417	seob4008
<b>343. triosephosphate isomerase (TPI1) M10036 14</b>						
BFC0054	FCR0163	fcrb0241	hfc0774	MIOA7123a	ncr7776	ncrb3431
BFC0420	FCR4704	fcrb1261	hfc3496	ncr2105	ncrb2857	ncrb3988
<b>344. transcription elongation factor Bpolypeptide 1-like (RefSeq aa 8e-72) NP_003188.1 14</b>						
ncr1480	ncr2397	ncr7565	ncrb3532	ncrc1883	ncrc3358	ncrc9332
ncr1720	ncr2805	ncr8305	ncrc1877	ncrc2475	ncrc7196	
<b>345. heat shock 70kD protein 10 (HSC71) (HSPA10) NM_006597.1 13</b>						
ncrc3867	hfc9148	ncr1798	ncr9949	ncrb7512	seoa8132	SEOA4092
ncrc4108	miob0188	ncr2528	ncrb4368	seoa8016	seob4292	

Figure 6A – Continued

<b>346. transmembrane protein (CD59) M84349.1 13</b>						
FCR2333	ncr2042	ncrc5429	ncrc6795	SEOA7603a	SEOA9654	seob3884
ncr0236	ncrb1165	ncrc6553	SEOA3563a	SEOA8701	SEOB1555	
<b>347. hfc4485chloride intracellular channel 4 like (CLIC4L) NM_013943.1 13</b>						
MIOA8910	miob3235	ncr7412	ncrb1849	ncrb5798	seob3838	
mioa9483	ncr1808	ncr7528	ncrb2510	seob3668	seob5252	
<b>348. phenylalkylamine binding protein gene AF196969.1 13</b>						
FCR2647	hfc4215	miob1300	miob3982	miob6402	ncr2512	SEOB0406
hfc2986	mioa9636	miob2538	miob5462	miob6718	ncr4972	
<b>349. collagenase type IVJ03210 13</b>						
FCR0355	FCR3441	FCR4854	hfc2294	hfc9228	ncrc3432	SEOA0130
FCR1534	FCR3539	hfc0037	hfc8964	hfc9946	ncrc3882	
<b>350. "calnexin (CANX) integral membrane protein, calnexin, (IP90) "M94859 13</b>						
MIOA6162a	ncr6614	ncrb1367	SEOA0869	SEOA4420a	SEOA9949	seob5341
miob6612	ncrb1142	ncrb2157	SEOA1989	SEOA7415a	seob4255	
<b>351. actin binding protein ABP620 AB029290.1 13</b>						
FCR1348	FCR3355	ncr3194	ncrb0124	ncrc5929	SEOA2658	SOA0569
FCR1900N	MIOA8740	ncr4577	ncrb0911	SEOA0184a	SEOB3191	
<b>352. peripheral myelin protein 22 M94048 13</b>						
hfc0969	hfc3059	hfc5497	MIOA3290a	ncr2264	ncrc2363	seoa4963a
hfc2787	hfc3682	MIOA1470	MIOA5176a	ncrc0314	ncrc2627	
<b>353. syntaxin 4 binding protein UNC-18c (UNC-18c) AF032922.1 13</b>						
FCR7201	hfc0295	hfc0772	hfc3830	hfc4111	miob4441	SEOA4380a
fcrb0289	hfc0395	hfc1250	hfc4000	hfc4115	SEOA2626	
<b>354. CGI-110 protein AF151868.1 13</b>						
fcrb1776	miob4563	ncr5234	ncrc1717	SEOA7339a	SEOB1648	seob6261
MIOA5710	ncr2898	ncrb0381	SEOA3748a	SEOA9793	seob5117	
<b>355. HSPC163 AF161512 13</b>						
MIOA5738a	MIOB2099	ncrc3860	SEOA2928a	SEOA7936a	SEOA8913	seob6440
MIOA8029a	miob4040	ncrc6931	seoa6936	SEOA8398a	seob5818	
<b>356. sin3 associated polypeptide (SAP18) AF153608 13</b>						
FCR3825	hfc9011	MIOA5075a	miob4559	ncr8336	ncrb4084	seob8035
FCR4035	MIOA3802	MIOA5712	ncr5807	ncrb1672	seob4419	

Figure 6A – Continued

357. "TPT1 gene for translationally controlled tumor protein (TCTP), exons 1-6 "AJ400717.1							13
hfc0599	ncr0604	ncrb0687	ncrb6164	ncrb8494	ncrc4170	SEOA9701	
hfc3810	ncr5164	ncrb0952	ncrb8101	ncrc0138	ncrc8984		
358. ribosomal protein S15 (RPS15) (=insulinoma rig-analog encoding DNA-binding protein mRNA) NM_001018.1							13
BFCN0261	FCR3376	FCR4979	FCR7585	hfc0265	hfc9648	ncrc9050	
FCR0773	FCR4474	FCR6413	fcb0599	hfc0855	ncrc5329		
359. ribosomal protein S26 NM_001029.1							13
CR0144	FCR5838	hfc0998	hfc8913	ncr8817	ncrb7370	ncrc5524	
FCR5835	fcb1728	hfc3880	ncr3357	ncrb3875	ncrb8503		
360. pre-mRNA splicing factor (SFRS3) AF107405.1							13
hfc6649	hfc9687	MIOA6587a	ncr5614	SEOA1065a	SEOB1333	seob6325	
hfc7969	MIOA2789a	ncr4018	ncrb1089	SEOA7438a	seob4889		
361. thrombospondin 1 (THBS1) NM_003246.1							13
FCR1938	FCR4904	hfc3776	MIOA3306a	miob1337	ncrc1989	SEOB1572	
FCR2322	hfc3694	MIOA1849a	MIOA7230a	miob4729	ncrc3235		
362. insulin-like growth factor binding protein 5 (IGFBP5) geneL27556.1							13
BFC0531	fcb2284	hfc0163	miob3679	ncr2186	ncrb7583	SEOA2999a	
FCR4401	hfc0067	hfc5815	ncr0212	ncrb6251	ncrc9365		
363. "fibroblast activation protein, alpha; seprase (FAP) "NM_004460.1							13
BFC0081	ncr7976	ncrb8430	ncrc4864	SEOA0379	SEOA9349	seob7378	
hfc6348	ncrb4216	ncrc4637	ncrc5644	SEOA0418	seob6762		
364. thymosin beta-10 S54005							13
BFCN0192	BFC0498	FCR7015	hfc1651	hfc6708	miob5040	seob2594	
BFC0260	FCR0901	fcb1755	hfc5138	miob2952	SEOA9445		
365. HSPC005 (=C11orf10)AF070661							13
miob2949	SEOA0838	SEOA7508a	SEOB1851	SEOB3550	seob5321	seob8099	
ncr3751	SEOA5845	SEOA9282	SEOB3304	seob3671	seob7871		
366. Chaperonin (hsp60 gene) AJ249625.1							13
FCR3042	hfc0048	hfc0617	hfc0740	hfc0913	hfc1382	hfc4080	
FCR3101	hfc0056	hfc0619	hfc0801	hfc1043	hfc3915	SEOA8776	
367. HS1 protein (=YWHAQ)X57347							13
hfc1164	miob3075	ncrb2474	ncrc2895	SEOA3467a	SEOB1575	seob6736	
MIOA6703a	ncr2931	ncrb8416	SEOA3219	SEOA4083	seob5521		

Figure 6A – Continued

<b>368. electron transfer flavoprotein alpha-subunit J04058.1</b>							<b>13</b>
HFCR3110	ncr2474	ncrb1083	ncrb5146	ncrc1288	ncrc9056	ncrc9148	
ncr0832	ncrb0363	ncrb1888	ncrc0647	ncrc6380	ncrc9082		
<b>369. "integrin, beta 1(fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12) (ITGB1), mRNA " NM_002211.1</b>							<b>13</b>
ncrb8189	SEOA8715	seob5191	seob4014	seob4875	miob3079	ncrb3229	
ncrc1083	SEOB0137	mioa9237	seoa7845a	miob0717	ncr8569		
<b>370. "Fritz mRNA, complete cds "U91903.1</b>							<b>13</b>
ncrc6687	hfc1679	MIOA0833a	ncr2567	ncrb4792	ncrb7677	ncrc2638	
fcrb2710	MIOA0224a	MIOA7285	ncrb3850	ncrb5984	ncrc0145		
<b>371. heterogeneous nuclear ribonucleoprotein K (HNRPK) NM_002140.1</b>							<b>12</b>
fcrb1262	hfc1844	hfc3761	mioa7636a	miob6560	SEOA9424		
hfc0751	hfc3650	MIOA0039a	MIOA9095	SEOA8679	seob8004		
<b>372. heat shock 90kD protein 1 beta (HSPCB) NM_007355.1</b>							<b>12</b>
hfc0495	hfc3515	hfc7576	MIOA3880a	miob6886	ncrb7400		
hfc2686	hfc5772	hfc9685	MIOA8974	ncr1628	ncrc4020		
<b>373. insulin-like growth factor binding protein 7 (IGFBP7) 4504618</b>							<b>12</b>
MIOA0182	MIOA6745a	miob3745	ncrc8954	SEOA1183A	seob6586		
MIOA2144	MIOB1561	ncrc5415	SEOA0416	SEOA5155a	seob7545		
<b>374. hypoxia-inducible factor 1 alpha (HIF-1 alpha) U22431</b>							<b>12</b>
MIOA0603a	MIOA7154a	miob0140	ncrb6740	SEOA1466a	SEOB0350		
mioa3898a	MIOA7541a	miob3753	ncrc3656	SEOA3639a	SEOB1224		
<b>375. growth arrest-specific 1 (GAS1) NM_002048.1</b>							<b>12</b>
MIOA5990a	miob1739	miob5798	ncrb5201	seob1347n	seob4339		
miob1147	miob4166	ncr3800	SEOA8389a	SEOB3074	seob8015		
<b>376. lactate dehydrogenase B (LDH-B) Y00711</b>							<b>12</b>
FCR0225	fcrb1042	ncr3885	ncrb0728	ncrb3542	SEOA6560a		
FCR0518	MIOB2861	ncr9600	ncrb2465	ncrc6273	seob5680		
<b>377. sterol carrier protein 2 S52450</b>							<b>12</b>
MIOA1913a	MIOA5681	miob3137	ncrb6820	ncrc7097	seoa4895a		
MIOA4816a	mioa9798	miob5709	ncrc2280	SEOA4301a	SEOB1877		
<b>378. mitochondrial proteolipid 68MP homolog (PLPM) NM_004894.1</b>							<b>12</b>
hfc7596	MIOA5789a	miob3767	ncr7075	SEOA2669	SEOA9152	seob7484	
MIOA5119a	MIOA7530a	ncr1800	ncrb1731	SEOA8959	SEOA9889		

## Figure 6A – Continued

<b>379. hepatitis B virus X interacting protein (XIP) AF029890</b>						<b>12</b>
FCR3841	MIOA6150a	ncr0149	ncrc2441	SEOA6547a	SEOB1344	
MIOA3945a	miob3312	ncrb0651	SEOA6122a	SEOA9098	SEOB3428	
<b>380. nicotinamide N-methyltransferase (NNMT) U08021</b>						<b>12</b>
MIOA4755	ncr3954	ncr8431	ncrb8284	ncrc1280	SEOB0864a	
ncr0597	ncr7303	ncrb6904	ncrc1241	SEOA3223	seob5789	
<b>381. ATP synthase epsilon chain AF077045.1</b>						<b>12</b>
FCR4880	MIOA4312a	SEOA1308	SEOA2478	SEOA6053a	SEOA8387a	
MIOA2871a	MIOA5667	SEOA2409	SEOA2908a	SEOA6198a	SEOB2195	
<b>382. cytochrome c oxidase subunit VIIa (COX7A) muscle isoform M83186</b>						<b>12</b>
MIOA2493a	ncr3706	SEOA4885a	SEOB0876a	SEOB1416	seob6384	
miob5066	SEOA4329a	SEOB0748	SEOB1071	seob5208	seob8323	
<b>383. DEK oncogene (DNA binding) (DEK) gi4503248</b>						<b>12</b>
FCR0339	hfc2790	hfc9463	MIOA3237a	ncr5875	SEOB1007	
FCR7054	hfc6686	MIOA0472	MIOA4215	SEOB0471	seob6348	
<b>384. hypoxia-inducible gene 1 (HIG1) (=HSPC010) AF145385.1</b>						<b>12</b>
hfc0150	MIOA5613a	MIOA5941a	mioa9550	miob1969	SEOA9012	
MIOA1954a	MIOA5768a	mioa9187	miob1879	SEOA3504a	seob5528	
<b>385. activated RNA polymerase (PC4)NM_006713.1</b>						<b>12</b>
hfc9414	miob1183	ncr3435	ncrc7012	SEOA8877	SEOA9897	
MIOB0554	MIOB2342	ncrc0222	seoa7984	SEOA9111	seob4098	
<b>386. breast carcinoma amplified sequence 2 (BCAS2) NM_005872.1</b>						<b>12</b>
MIOA5124a	MIOA5507a	miob0819	miob4064	SEOA5065a	SEOA5806	
MIOA5126a	mioa9919	MIOB2617	miob6601	SEOA5748a	seob6450	
<b>387. enhancer-of-split and hairy-related protein 1 (SHARP-1) AF009329.1</b>						<b>12</b>
miob4684	ncr6729	ncr9492	ncrc0160	ncrc2142	ncrc4240	
ncr1486	ncr8183	ncrb0726	ncrc2140	ncrc2583	SEOB2671	
<b>388. BCL2/adenovirus E1B 19kD-interacting protein 3 (BNIP3) U15174</b>						<b>12</b>
fcrb2181	hfc5556	ncr6328	SEOA2875	SEOB1998		
hfc4449	ncr5697	ncrb5526	SEOA5387	seob5618		
<b>389. protein tyrosine phosphatase (hR-PTPu) X58288</b>						<b>12</b>
FCR2920	FCR5885	MIOA1520	ncr3398	ncrc1247	SEOA3322a	
FCR5337	fcrb1962	miob4108	ncrb5871	SEOA1567	SEOA3324a	

Figure 6A – Continued

**390. "TRPM-2, cytosolic epoxide hydrolase, nicotinic acetylcholine receptor alpha2 subunit, and focal adhesion kinase genes" AF311103.1 12**

MIOA7452a	ncr7028	ncrb1939	ncrb4627	ncrb7915	ncrc5182
ncr2160	ncr8289	ncrb1988	ncrb7679	ncrc0149	ncrc8836

**391. colon carcinoma laminin-binding protein (=RIBOSOMAL PROTEIN SA (P40) )J03799.1 12**

BFCW0145	FCR2185	FCR4902	FCR5915	fcrb1190	MIOA6326a
FCR1495N	FCR3371	FCR5901	FCR7681	fcrb2256	seob7177

**392. alpha E-catenin (CTNNA1) gene AF102803.1 12**

FCR2472	hfc8861	miob4276	ncr4127	SEOA3989a	SEOA9438
FCR5779	MIOA7108a	ncr3682	ncr6932	SEOA8177a	seob2335

**393. Clk-associated RS cyclophilin CARS-Cyp U40763 12**

MIOA1457	MIOA2993a	miob4354	ncrb0670	SEOA0863	SEOB0469
MIOA1734	miob0841	ncr5843	ncrb2626	SEOA6363	seob5220

**394. suppression of tumorigenicity 13 (Hsp70-interacting protein) (ST13) NM\_003932.1 12**

hfc0952	ncr6902	ncrc0583	ncrc4561	SEOB0964	seob5241
hfc2718	ncr8215	ncrc1533	ncrc5276	SEOB3244	

**395. cytochrome c oxidase subunit VIIa polypeptide 2 like (COX7A2L) NM\_004718.1 12**

hfc6880	miob6860	ncr7259	ncrc0817	SEOB3431	seob6161
mioa7706a	ncr2971	ncr9722	SEOB0923	seob4178	SOA0565

**396. cyclin M74091 12**

BFCN0266	FCR7261	MIOA0241a	seoa0499m	SEOB0404	seob5777
FCR2682N	hfc2989	ncrb8392	SEOA1056a	seob4422	seob6245

**397. NADH dehydrogenase subunit 2 (ND2) AF014897.2 12**

FCR7621	MIOA6662a	ncrb6869	SEOA0409	SEOA1279a	SEOA3371a
hfc6020	ncrb6062	ncrc3708	SEOA0481	SEOA1973a	SEOA3547a

**398. "ATP synthase, H transporting, mitochondrial (RefSeq aa 1e-50) "NP\_001676.1 12**

ncr0832	ncrb0363	ncrb1888	ncrc0647	ncrc6380	ncrc9082
ncr2474	ncrb1083	ncrb5146	ncrc1288	ncrc9056	ncrc9148

**399. nuclear protein SDK3 (=MEMA)Y10351 12**

FCR0707	fcrb0353	HFCR3146	ncr0660	ncr6593	SEOA2326a
FCR1426	hfc1637	hfc9206	ncr1920	ncrb8214	SEOB2739

**400. 15 kDa selenoprotein (SEP15)AF051894 12**

MIOA195	MIOA6180a	SEOB3179	seoa4940a	ncr0420	SEOA4853a
FCR6830	SEOA7540a	mioa0509	seoa7871a	ncrb0814	SEOB1638

## Figure 6A – Continued

<b>401.</b>	<b>eukaryotic translation elongation factor 1 gamma (EEF1G) NM_001404.1</b>					<b>11</b>
hfcf2557	hfcf5010	hfcf6590	ncf6705	ncf3650	seoa8014	
hfcf3408	hfcf6570	hfcf6853	ncf7493	SEOA5795		
<b>402.</b>	<b>transmembrane protein (p63)X69910</b>					<b>11</b>
BFCN0138	FCR1353	FCR7158	hfcf2704	MIOA0878a	SEOA0166a	
FCR0881	FCR1509	hfcf1356	hfcf6370	ncf7028		
<b>403.</b>	<b>"clathrin, heavy polypeptide-like 2 (CLTCL2) (=KIAA0034) "NM_004859.1</b>					<b>11</b>
FCR7110	hfcf5482	SEOA2832	SEOA9443	seob6028	seob7702	
hfcf0645	SEOA2237a	SEOA8296	seob4053	seob6599		
<b>404.</b>	<b>extracellular matrix protein AB011792</b>					<b>11</b>
MIOA2065	MIOB1515	miob6658	SEOA4536	SEOA8914	seob1044	
MIOA7588a	miob6616	ncf2008	SEOA7366a	SEOB0985		
<b>405.</b>	<b>mesoderm specific transcript (mouse) homolog (MEST) NM_002402.1</b>					<b>11</b>
BFCN0024	fcfb0367	hfcf0635	hfcf2868	hfcf7711	hfcf8189	ncf5171
CR0995	fcfb2221	hfcf2678	hfcf6331	hfcf7824	hfcf8438	
<b>406.</b>	<b>KIAA0728 AB018271.1</b>					<b>11</b>
MIOA3589 a	MIOA8647	MIOA8775	SEOA0308	SEOA8567		
MIOA7326	MIOA8675	mioa9927	SEOA2922a	SEOA9461		
<b>407.</b>	<b>ADP/ATP translocase J03592</b>					<b>11</b>
ncf6219	FCR0529	hfcf6003	hfcf7352	ncf1143	ncf5156	
ncf5690	FCR1979	hfcf6806	ncf8840	ncf4275		
<b>408.</b>	<b>UDP-glucose dehydrogenase (UGDH) AF061016</b>					<b>11</b>
fcfb2127	MIOA1608a	mioa9188	ncf5802	seoa0343m	seob5608	
hfcf8759	MIOA9041	miob4237	ncf9871	SEOA9556		
<b>409.</b>	<b>"protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform (PPP2CA) "NM_002715.1</b>					<b>11</b>
fcfb1134	HFCR2381	mioa3115an	miob7006	ncf5363	ncf1624	SEOA8973
fcfb1963	hfcf6350	miob1757	ncf4735	ncf6870	SEOA4626a	
<b>410.</b>	<b>"protein C inhibitor [human, leukocytes, Genomic, 1402 nt, segment 5 of 5] "S69366.1</b>					<b>11</b>
hfcf3465	ncf0429	ncf2174	ncf5531	SEOA2955a	SEOB0695a	
miob4855	ncf0429	ncf4919	ncf5655	SEOA3799a		
<b>411.</b>	<b>ribophorin II (RPN2) Y00282</b>					<b>11</b>
FCR4984	fcfb0657	hfcf3783	hfcf6196	ncf8779	seob5724	
FCR7138	hfcf3424	hfcf6013	ncf0908	ncf3753		

## Figure 6A -- Continued

## 412. ubiquitin-conjugating enzyme E2B (RAD6 homolog) (UBE2B) NM\_003337.1 11

FCR6968	miob0578	ncr0613	ncrb1221	ncrb4008
MIOA4635a	ncr0613	ncrb0276	ncrb2399	SEOB2171

## 413. ERF-1 X79067.1 11

CR0906	hfc9738	ncrc9385	SEOA2917a	SEOB3385	seob5452
FCR6901	ncr0644	SEOA1455a	SEOA6169a	seob4150	

## 414. zinc finger transCRiption factor GKLAF105036.1 11

MIOA3760a	miob0453	ncr6403	ncrb1729	ncrb4528	ncrc9808	seob6490
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## 415. GABA(A) receptor-associated protein (GABARAP) NM\_007278.1 11

fcrb1695	hfc6884	hfc9432	ncrb7119	SEOB2081	seob8081
hfc6729	hfc7370	ncr9828	ncrc6747	SEOB2104	

## 416. titin (TTN) gene CAA49245.1 11

FCR0499	FCR5534	hfc6093	MIOA8863	SEOA4869a	SEOA8910
FCR2596	FCR6432	MIOA4234	ncrb4960	seoa8101	

## 417. epidermal growth factor receptor kinase substrate (Eps8) U12535 11

fcrb1872	MIOA1201	MIOA4808a	ncr6937	SEOA4469a	SEOB0882a
MIOA0693	MIOA2792a	miob0990	ncrb5095	SEOA5575a	

## 418. FRG1 L76159 11

MIOA6784a	SEOA3640a	hfc1853	ncrb2291	ncr6852	
SEOA1873a	seob4930	miob6153	ncrb1068	seoa3167m	

## 419. E25B protein U76253 11

FCR0217	FCR2239	FCR2511	FCR5801	FCR6983	MIOA0857a
FCR2117	FCR2287	FCR4052	FCR6929	FCR7277	

## 420. transCRiption factor BTF 3 X74070 11

FCR1704	fcrb0272	hfc2234	MIOA2119	SEOA3555a	SOA0021
FCR3732	fcrb1093	hfc6397	ncrc4193	seob6890	

## 421. transmembrane glycoprotein (GPNMB) X76534 11

MIOA3399a	miob4678	ncr3485	SEOA1246A	SEOA3036a	seob6227
miob3330	miob5777	ncrb4997	SEOA2740	SEOB2060	

## 422. profilin II L10678.1 11

ncrc5357	FCR2109	hfc8624	ncrb7680	SEOB0325	seob6303
ncrc5350	FCR6090	miob5440	SEOB0325	SEOB2002	



## Figure 6A – Continued

423. calreticulin (CALR) M84739		11						
FCR0725	FCR1394	FCR7051	hfc7494	ncrc4798	seob4731			
FCR1173	FCR1823	hfc6791	ncr2516	seoa0010m				
424. ADP-ribosylation factor 1 M84326.1		11						
CR0077	FCR1252	hfc2772	hfc7510	MIOA2898a	ncrb4497			
CR0311	fcb1341	hfc7361	MIOA2560a	miob4593				
425. 16.7Kd protein AF078845.1		11						
fcb0336	hfc6732	miob5108	ncrb1288	SEOA2829	seob5750			
hfc3798	MIOA0132	ncr1427	ncrb5245	SEOB0808a				
426. KIAA1247 AB033073.1		11						
SEOB3220	ncrb7995	ncrc0060	ncrb1281	miob4798	seoa7776a			
seob4939	ncrb2014	seoa8102	miob4746	ncr9102				
427. peroxiredoxin 1 (PRDX1) (=NKEFA) NM_002574.1		11						
ncrc3471	ncr5721	ncrb3579	ncrc0249	hfc8786	SEOB3098			
FCR6941	ncrb0368	ncrb7886	hfc2783	miob3468				
428. "poly(A)-binding protein, cytoplasmic 1 (PABPC1) "NM_002568.1		11						
ncrc6635	ncrb3185	seob5908	hfc9288	seob7555	SEOA2058			
SEOA8468	ncrb6910	seob6202	fcb1942	seoa2058n				
429. tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide (YWHAQ) "NM_006826.1		11						
ncr2931	hfc6130	ncrb8416	seob6736	miob3075	ncrb2474			
hfc2237	SEOB1575	seob5521	SEOA3467a	hfc1164				
430. myosin light chain 3 non-muscle (MLC3nm) M31212		10						
hfc2213	MIOA3051a	MIOA3334a	MIOB2174	SEOA1364	SEOA6199a	SEOA6397	SEOA6604a	SEOA7112a
431. Lsm3 protein AJ238095.1		10						
mioa0741m	ncr5137	ncrb6036	SEOA7286a	seob5389				
MIOA3289a	ncrb1203	ncrc2240	seob2556	seob8030				
432. "CD164 antigen, sialomucin (CD164) "NM_006016.1		10						
fcb1826	ncrb1665	ncrc2268	seoa7036	SEOA8770	seob4040			
miob2905	ncrc0020	ncrc6819	SEOA7109a	SEOB0595				
433. collagen type XVI collagen alpha 1 (COL16A1) S57132.1		10						
FCR2199	FCR7264	hfc5718	hfc7042	hfc9095				
FCR5660	hfc0053	hfc6204	hfc7659	hfc9497				
434. SET translocation (myeloid leukemia-associated) (SET) =M93651 NM_003011.1		10						
hfc0401	hfc2673	MIOA0230a	MIOA5576a	ncr4100	ncr8300	SEOA1477	SEOA1654a	seoa7738a

## Figure 6A – Continued

SEOA8677

## 435. myloid-beta protein (APP) M33112.110

mioa9979a	miob5608	ncrb5060	SEOA0978	SEOB0612
miob4923	ncrb2598	ncrb7184	SEOA4840a	seob6030

## 436. vesicle docking protein p115 (P115) NM\_003715.1 10

MIOA3774	MIOA3950a	ncrb8653	SEOA3389a	seob5337
MIOA3820	MIOB1552	ncrc9202	seob4058	seob8173

## 437. "hereditary haemochromatosis region, histone 2A-like protein gene, hereditary haemochromatosis (HLA-H) gene, RoRet gene, and sodium phosphate transporter (NPT3) gene, complete cds (=H4 histone ) "U91328.1 10

MIOA6860a	miob6810	ncr9508	SEOA9196	SEOB3101
miob6462	ncr9038	ncrb4405	SEOB2709	seob5891

## 438. cell cycle progression 8 protein (CPR8)(ORF)=AF011794 NM\_004748.1 10

miob0822	ncr6004	SEOA4460a	seob5776	seob7569
miob4330	ncrb2939	seob4894	seob7167	SOA0471

## 439. KIAA0438 AB007898.1 10

FCR6408	miob1296	ncr1347	ncrc0544	SEOB2994
MIOA2068	ncr1161	ncr8905	SEOA9249	seob7431

## 440. actin, alpha, cardiac muscle "NP\_005150.1 10

hfc0046	ncr0287	ncr8053	ncrb3944	ncrc2893
hfc3820	ncr2635	ncrb3585	ncrb8314	ncrc3564

## 441. GAP-associated tyrosine phosphoprotein p62 (Sam68) (SAM68) (=p62) NM\_006559.1 10

fcrb1633	miob6430	ncrc1099	ncrc5184	SEOA5333a
HFCR3200	ncrb2174	ncrc1836	SEOA5331a	SOA0445

## 442. sphingolipid activator protein 1 J03015 10

FCR7349	hfc9348	MIOA1408a	SEOA2418a	seob6722
hfc0602	hfc9582	ncrc2060	seob4670	seob7354

## 443. "transcription elongation factor A (SII), 1 (TCEA1) "NM\_006756.1 10

MIOA5194a	ncrc5961	SEOA1623a	seoa4102an	seob4855	seob6112
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## 444. nuclear pore complex interacting protein (NPIP) AF132984.1 10

hfc1964	ncr3945	ncr9327	ncrb4262	ncrb6295
ncr1009	ncr7884	ncrb1406	ncrb5333	ncrc1279

## 445. ganglioside expression factor 2 (GEF-2) NM\_007285.1 10

hfc3627	ncrb1310	ncrc6693	SEOA9183	SEOB1173
miob6881	ncrb6571	SEOA3391a	SEOA9809	SEOB1236

Figure 6A – Continued

446. Down syndrome candidate region 1 (DSCR1) NM_004414.2					10
hfc7398	ncr8456	SEOA1248A	seob5168	seob5500	
MIOB2263	ncrb4080	seoa6971	seob5383	seob7052	
447. S164 (=AC004858 U1 small ribonucleoprotein 1SNRP homologue) AF109907					10
hfc1142	MIOA3915a	ncrb4859	ncrc3300	SEOA4391a	
MIOA3717a	MIOA5193a	ncrc0819	SEOA1429a	seob6832	
448. proline-rich protein with nuclear targeting signal (B4-2) NM_006813.1					10
mioa3816 n	MIOA9107	miob3358	ncrb2712	SEOA9943	
mioa7798a	miob1918	ncr9124	ncrc3319	SEOB1152	
449. PAPS synthetase-2 (PAPSS2) AF074331.1					10
hfc5974	MIOA7506a	ncr1495	ncrc5328	SEOA9469	
hfc8446	miob4104	ncrb6432	SEOA6390	seob7696	
450. RIBOSOMAL PROTEIN SA (P40) spP08865					10
BFCW0145	FCR2185	FCR4902	FCR5915	MIOA6326a	
FCR1495N	FCR3371	FCR5901	FCR7681	seob7177	
451. ataxia telangiectasia (ATM) gene U82828.1					10
miob1883	ncr1491	ncr9171	ncrc0220	seob4846	
miob3905	ncr4946	ncrb5211	seob3726	seob5131	
452. ARP2/3 protein complex subunit p21 (ARC21=AF006086 (ORF) NM_005719.1					10
hfc6039	MIOA1940a	miob1825	miob6279	SEOA4107a	
MIOA1830a	MIOA7630a	miob5687	ncrb2955	SEOA4673a	
453. HSPC297 (=HSPC030) AF161415.1					10
mioa1436n	MIOA2987a	ncrc6495	SEOA6495a	SEOB0207	
MIOA1880a	MIOA4074a	SEOA6494a	SEOA8693	seob7370	
454. NS1-binding protein (NS1-BP) (=AB020657 KIAA0850) AJ012449					10
FCR3736	MIOA3066a	MIOA5587a	MIOB2297	SEOA6481a	
MIOA2652a	MIOA4407	miob1821	ncrb3245	SOA0391	
455. dioxin-inducible cytochrome P450 (CYP1B1) U03688.1					10
MIOA8103	mioa9742	ncr5812	ncrb6245	ncrc8949	
mioa9439	ncr1433	ncr9175	ncrb6403	SEOB1836	
456. WSB-1 isoform AF106684.1					10
FCR4477	hfc3563	ncr1210	ncrc0183	ncrc5720	
hfc2731	miob4059	ncr5549	ncrc1665	seob5048	

Figure 6A – Continued

<b>457. protein disulfide isomerase-related protein (P5)= D49489 NM_005742.1</b>					<b>10</b>
FCR5687	MIOA1009	mioa9314	miob6521	seob2569	
fcrb0402	MIOA8219	miob0838	SEOA7535a	seob5742	
<b>458. membrane protein CH1 (CH1) AB020980</b>					<b>10</b>
FCR5663	FCR7710	ncr0679	ncr5960	ncrc4048	
FCR5800	MIOA0535n	ncr2291	ncrb2053	ncrc9869	
<b>459. sema domain immunoglobulin domain (Ig)(semaphorin) 3E (SEMA3E)(= KIAA0331) NM_012431.1</b>					<b>10</b>
fcrb2690	mioa9802	miob4091	ncrb2375	seoa7819a	
MIOA8348	miob1135	ncr0153	ncrc6652	SOA0623	
<b>460. heat shock J2 protein (HSJ2) AF075601.1</b>					<b>10</b>
SEOA1762 a	miob4232	seoa9125	miob2219	mioa0701	
hfr8761	seob2531	mioa7231a	seoa1762a	hfr9312	
<b>461. T245 protein (T245) =TM4SF6=TM4-DAF043906</b>					<b>10</b>
SEOA0457	ncr1475	ncrc0994	SEOA0207a	seob7047	
FCR4382	ncr9639	ncrc5162	SEOB0279	SOA0692	
<b>462. inositol polyphosphate 1-phosphatase gene (INPP1) (low match) AF141324.1</b>					<b>10</b>
SEOA3560a	MIOA3768	ncrb0417	SEOA8586	SEOB1292	
hfr0944	MIOA5612a	SEOA5807	SEOA9651	SEOB2051	
<b>463. RAN, member RAS oncogene family (RAN), mRNA /cds=(114,764) /gb=NM_006325 /gi=6042206 /ug=Hs.10842 /len=1656 "</b>					<b>10</b>
seoa6972"	FCR6517	SEOA1302a	SEOB1907	seob4485	
FCR3367	ncrb6319	SEOA2183a	SEOB1974	seob5296	
<b>464. HSPC016, mRNA /cds=(38,232) /gb=NM_015933 /gi=7705430 /ug=Hs.171774 /len=384 "Hs.171774</b>					<b>10</b>
seoa7837a	hfr0240	hfr4067	seob6067	seob3875	
fcrb1888	hfr2635	ncr2059	seob4169	ncr1733	
<b>465. "JKTBP2, JKTBP1, complete cds "AB017018.1</b>					<b>10</b>
ncrc5500	ncrb4595	FCR4753	MIOA2760a	ncrc2647	
fcrb1002	MIOA6588a	ncr4370	SEOB3312	ncr140	

## Figure 6A - Continued

466	ncr1765 ncr1824 ncr9627 ncrb0438 ncrb3815 ncrb5491 ncrb6511 ncrb7610 ncrc5255	ribosomal 18S, 58S, and 28S (=45S pre rRNA gene)	V01270.1	9
467	mioa9615  miob0445 miob6513 miob6953 ncr3343 ncrb8454 seoa7969 seoa7977 seob6463 seob7750	SEC24 ( <i>S. cerevisiae</i> ) related gene family, member D (SEC24D), = AK001390	NM_014822.1	9
468	mioa9202 miob1067 miob3174 ncr5763 ncrb2508 SEOA9399 SEOA9660 SEOB0173 seob5411	annexin A4 (ANXA4)	NM_001153.2	9
469	FCR1318 FCR3065 FCR4366 MIOB2646 miob3461 SEOA0501 SEOA1404 SEOA2761 seob4794	arginine-rich nuclear protein	M74002	9
470	MIOA5013a mioa7673a miob6080 ncrb0292 ncrb4784 ncrc2110 SEOA4863a seob4332 seob6260	malate dehydrogenase 1, NAD (soluble) (MDH1)	NM_005917.1	9
471	FCR6246 hfcr1292 hfcr9823 MIOA7992a ncrb0178 ncrb4632 SEOA0319 SEOA8363a SEOA9181	collagen type VI alpha 1 (COL6A1)	X15880	9
472	fcrb1346  MIOA4963a	SMT3 (suppressor of mif two 3, yeast) homolog 2 (SMT3H2)	NM_006937.1	9

Figure 6A - Continued

	miob5747			
	ncr2632			
	ncr8859			
	ncrc0438			
	ncrc3318			
	SEOB0221			
	SEOB3419			
473	BFCW0318	cyclophilin B (hCyPB)	M60857	9
	CR0179			
	FCR0113			
	FCR3447			
	fcrb2005			
	MIOA2794a			
	ncr4738			
	ncrb3852			
	ncrb5521			
	seob7631			
474	FCR5032	YAP65	X80507.1	9
	FCR7293			
	hfcr9295			
	MIOA0160			
	MIOA1942a			
	MIOA4752			
	miob5803			
	ncr0090			
	seob5652			
475	hfcr0404	uridine diphosphoglucose pyrophosphorylase	U27460	9
	MIOA4634a			
	mioa9235			
	mioa9809			
	miob4006			
	ncrb1580			
	SEOA0135			
	SEOA4453a			
	SEOA9892			
476	FCR0023	prolyl 4-hydroxylase gene	U14608.1	9
	FCR3691			
	FCR6259			
	miob5425			
	ncr2573			
	SEOA8237			
	SEOB0819a			
477	fcrb0109	melanoma-associated antigen MG50	AF200348.1	9
	fcrb2067			
	hfcr3477			
	hfcr3867			
	hfcr7756			
	hfcr8784			
	hfcr9629			
	miob4662			
	ncrb1840			
478	MIOA2037	kinectin 1 (kinesin receptor) (KTN1)(= KIAA0004)	NM_004986.1	9
	MIOA5198a			
	MIOA5896a			
	miob6499			
	ncr0839			
	ncrb3309			
	SEOA6414			
	SEOA8835			

## Figure 6A - Continued

seob4993			
479 seob4036	Dickkopf gene 3 (DKK-3)	NM_013253.1	9
seob5076			
seob5368			
seob6302			
seob7410			
seob7591			
seob6508			
seob6460			
480 hfc7355	AD-017 protein	AF157318.1	9
miob0637			
miob3849			
ncr0497			
ncr2047			
ncrb3620			
ncrc2619			
SEOB0426			
seob6346			
481 MIOA2620	Fn54	AF001533.2	9
MIOA6962a			
MIOB2658			
SEOA0234a			
SEOA2112n			
SEOA4877a			
SEOA6700a			
seob3659			
seob6668			
482 fcrb1202	HSPC035 protein (LOC51669), NPD003	NM_016127.1	9
fcrb1793			
MIOA8011a			
mioa9619			
miob4610			
ncrb7141			
ncrc8961			
SEOB0160			
seob4056			
483 hfc73411	KIAA0164	D79986	9
MIOA6982a			
miob6652			
ncr1587			
ncr7163			
ncrb1605			
ncrc4600			
SEOA1857a			
SEOB2796			
484 SEOA1410a	KIAA0970	AB023187.1	9
ncrb7345			
ncrc0079			
ncrc6796			
ncr5245			
MIOA2342a			
MIOA7096a			
SEOA1410a			
SEOA5541a			
485 fcrb2101	KIAA1077	AB029000.1	9
hfc75729			
hfc76674			
MIOA0142			
mioa7831a			

## Figure 6A - Continued

ncrb1479 ncrc5064 SEOA7404a SEOB0832a 486 hfc0894	prion protein (p27-30) (Creutzfeld-Jakob disease, Gerstmann-Strausler-Scheinker syndrome, fatal familial insomnia) (PRNP) mRNA	NM_000311.1	9
MIOA4568a ncr0756 ncr8808 ncr9475 SEOA9156 SEOB1274 seob6510 seob7921			
487 miob1938 miob5923 ncr4185 ncrb1447 ncrb6767 ncrb7715 ncrc3713 seob4057 seob7326	trichorhinophalangeal syndrome I gene (TRPS1)	NM_014112.1	9
488 fcrb1866	activating transCRiption factor 4 (tax-responsive enhancer element B67) (ATF4)	gi4502264	9
fcrb2138 HFCR3143 hfc04079 ncr5188 ncr5990 ncr8537 ncr8797 ncrc5691			
489 ncr1031 ncrb0511 ncrb5112 ncrb6193 ncrb6267 ncrc6688 SEOA0563A SEOA2089 seob7438	sox	AF070669	9
490 miob6290	TATA box binding protein (TBP)-associated factor, RNA polymerase II, F, 55kD (TAF2F)	NM_005642.1	9
ncr3778 fcrb0664 ncr3701 ncrb4832 fcrb2182 fcrb2184 miob6290 SOA0384 ncrc9215			
491 ncr2785 ncr3795 ncr8982 ncrb2637 ncrb7295	allograft inflammatory factor 1 (AIF1)	NM_001623.2	9



## Figure 6A - Continued

SEOB0185			
SEOB1086			
seob5634			
492 hfc0770	heat shock protein 86 (HSP86)	M30626.1	9
MIOA2641			
miob4473			
miob5657			
SEOA7643a			
seob3948			
seob4102			
seob6120			
seob7172			
493 hfc95977	t-complex-associated-testis-expressed 1-like (TCTE1L)=U02556=RP3	NM_006520.1	9
hfc9302			
MIOA4605a			
miob0178			
ncr6595			
ncrb1626			
ncrb6371			
ncrb7887			
seob3279n			
494 fcrb1013	matrilin-2 precursor	U69263	9
MIOA2505a			
MIOA4183			
MIOA7576a			
ncr6962			
ncrc1434			
SEOA4312a			
seob5815			
seob7016			
495 hfc2814	actin-related protein Arp3 (ARP3)(actin-related protein 3 yeast)homolog(ACTR3)	AF006083.1	9
hfc7041			
miob0429			
miob1451			
ncrb0722			
SEOB1231			
SEOB1683			
SEOB1821			
seob3910			
496 fcrb1740	bone sialoprotein (BNSP)	L10363.1	9
hfc4350			
hfc7527			
hfc9174			
hfc9481			
ncr3210			
ncr4925			
ncr8863			
ncrb3535			
497 hfc3769	interleukin 1 receptor, type I (IL1R1) = M27492.1	NM_000877.1	9
MIOA5859a			
ncrb7852			
ncrc3434			
ncrc3593			
SEOA0472			
SEOA3124a			
SEOA7538a			
SEOA9582			

## Figure 6A - Continued

498	hfc6611	serine/threonine protein kinase Kp78 splice variant CTAK75a	AF159295.1	9
	ncr5080			
	ncr5402			
	ncr7375			
	ncr8672			
	ncrb0748			
	ncrb6321			
	ncrb8176			
	ncrc0212			
499	hfc1879	latent transforming growth factor beta binding protein 1 (LTBP1)	NM_000627.1	9
	hfc2812			
	miob3320			
	miob3320			
	ncr6879			
	ncr9199			
	ncrb1949			
	ncrc5355			
	SOA0215			
500	hfc0029	MAGUK protein p55T (=AB002323 KIAA0325)	AF162130.1	9
	hfc0125			
	MIOA0414a			
	MIOA6312a			
	miob1180			
	ncr6818			
	ncr7482			
	ncrc5150			
	SEOB0656a			
501	MIOA5398a	NAP (nucleosome assembly protein)	M86667	9
	ncrc3628			
	ncrc4425			
	SEOA1480			
	SEOA5608a			
	SEOA6732			
	SEOA8482			
	SEOA9581			
	seob4990			
502	cr0056N	fragile 16D oxido reductase (FOR)	AF217490.1	9
	miob0442			
	MIOB0542			
	miob0807			
	ncr0085			
	ncrb1439			
	ncrb5156			
	ncrb6567			
	ncrc2922			
503	MIOA7275	factor H homologue	M65294.1	9
	ncr1461			
	ncr7245			
	ncrb5169			
	SEOA9270			
	SEOB0212			
	seob4497			
	seob7656			
	SOA0615			
504	hfc1130	CYTOCHROME C OXIDASE POLYPEPTIDE I	P00395	9
	mioa2129m			
	mioa9650			

## Figure 6A - Continued

	ncr1524			
	ncrc3587			
	SEOA8874			
	SEOB0041			
	seob4733			
	seob6705			
505	CR0516	stathmin (=J04991 p18 protein; Z11566 Pr22 protein)	X53305	9
	FCR0287			
	FCR5189			
	FCR7324			
	hfc1707			
	hfc1932			
	hfc3432			
	hfc9692			
	SEOB3320			
506	BFCN0236	cellular growth-regulating protein	L10844	9
	FCR7050			
	hfc0317			
	hfc9237			
	miob5109			
	ncrb7266			
	ncrc6224			
	SEOA2815			
	seob6723			
507	hfc8609	paired mesoderm homeo box 1 (PMX1)	gi5902023	9
	MIOA2603a			
	MIOA3566a			
	MIOA4266			
	MIOA6413a			
	MIOA8213			
	SEOA2812m			
	soa2812m			
	soa0022n			
508	MIOA3194a	PTD014	AF092135.1	9
	MIOA5957a			
	miob3948			
	ncr6233			
	SEOA2385a			
	SEOA2385a			
	SEOA3027a			
	SEOA3997a			
	SOA0639			
509	hfc6663	SWI/SNF related, matrix associated (SMARCA1)	gi4507066	9
	hfc6783			
	hfc9757			
	MIOA5781a			
	MIOA8557			
	ncrb8709			
	ncrc0997			
	SEOA2938a			
510	SEOB1322	fos proto-oncogene (c-fos)	K00650.1	9
	BFC50244			
	CR0310			
	CR0885			
	FCR2161			
	FCR3603			
	FCR6407			
	FCR6636			
	hfc0086			

## Figure 6A - Continued

511	hfc1947 fcrb1823 hfc1947 hfc6465 contigmar21-010016 ncrc3866 ncr4034 ncrb4634 ncrc5209 ncrc3141	integral membrane protein 2A (ITM2A)	NM_004867.1	9
512	ncrc0477 ncrc9566 ncrb1169 ncrb2227 ncrc4104 ncrc0073 ncrb2604 ncrb8695 ncrb3783	ATP synthase F0 subunit 6 (RefSeq aa 8e-74)	5835393	9
513	FCR6321 SEOA0311 hfc2343 miob0044 miob6664 hfc0683 miob3050 ncr1268 miob3012	protein phosphatase 2A catalytic subunit-beta	M60484	9
514	SEOA5532a miob1135 ncrc6652 SOA0623 mioa9802 seoa7819a ncr0153 MIOA8348 SEOA5938	semaphorin E	AB000220	9
515	SEOB1391 ncr0054 ncr0444 ncr3263 ncrb0151 ncrb3135 ncrc3769 ncrc4842 seob4752	HSPC061	AF161546.1	9
516	fcrb2141  hfc1914 hfc6582 ncrb1311 ncrb7920 ncrc3084 ncrc4857 ncrc9811	heterogeneous nuclear ribonucleoprotein A2/B1 (HNRPA2B1)	NM_002137.1	8
517	FCR4930  ncr5633 ncr6946	zinc finger protein 9 (a cellular retroviral nucleic acid binding protein) (ZNF9)	gi4827070	8

Figure 6A - Continued

	ncrc7043			
	SEOA3122a			
	SEOA3122a			
	SEOA9000			
	SEOA9545			
518	hfc0445	HepG2	D17039	8
	hfc04437			
	MIOA8338			
	MIOA8533			
	miob0781			
	miob6582			
	SEOB0682a			
	seob6415			
519	hfc9622	laminin B2 chain	M55210	8
	MIOA3479a			
	miob6052			
	ncr4986			
	ncr9836			
	ncrc5436			
	ncrc9440			
	SEOA0469n			
520	ncr0797	matrix metalloproteinase 3 (stromelysin 1, progelatinase) (MMP3)	NM_002422.1	8
	ncr1230			
	ncr6196			
	ncr9952			
	ncrb1942			
	ncrb7181			
	ncrb7576			
	seoa8105			
521	MIOA1433	MRG15 protein (MRG15)	AF100615.1	8
	ncr6803			
	SEOA1081a			
	SEOA1993			
	SEOA2461a			
	SEOA3988a			
	SEOA5471a			
	SEOA5770			
522	miob0176	HSPC025 (HSPC025)	NM_016091.1	8
	miob6551			
	ncr2940			
	ncr8073			
	ncrb6026			
	ncrb7007			
	ncrb8689			
	SEOA8649			
523	MIOA0679	RGC32 protein (RGC32)	NM_014059.1	8
	miob0497			
	miob1738			
	miob5885			
	ncrb4874			
	ncrc2581			
	SEOA1471a			
	SEOA9706			
524	hfc0534	NADH-ubiquinone oxidoreductase AGGG subunit precursor homolog	AF067166.1	8
	hfc1696			
	hfc4188			
	hfc5920			

Figure 6A - Continued

	miob6937			
	SEOA4159a			
	seob4579			
	seob5205			
525	CR0069	ubiquitin gene	U49869	8
	hfcr0117			
	hfcr9063			
	miob0436			
	ncr0284			
	SEOA4681a			
	SEOA4850a			
	seob5588			
526	fcrb0211	karyopherin alpha 4 (=importin alpha 3) (KPNA4)	NM_002268.1	8
	hfcr3362			
	miob3406			
	miob3857			
	ncr1396			
	ncr5599			
	SEOB3326			
	seob6350			
527	FCR2914N	DEAD-box protein (BAT1) gene	AF029062.1	8
	FCR3076			
	hfcr0459			
	hfcr0550			
	hfcr0957			
	hfcr2546			
	hfcr2834			
	hfcr6934			
528	fcrb2112	glutaminyI-tRNA synthetase(QARS)	NM_005051.1	8
	hfcr0096			
	hfcr0192			
	hfcr2766			
	hfcr2809			
	hfcr2825			
	hfcr3010			
	hfcr4023			
529	FCR3890	GOLGI 4-TRANSMEMBRANE SPANNING TRANSPORTER MTP (KIAA0108)	spQ15012	8
	MIOA0038a			
	MIOA3786			
	MIOA4007a			
	MIOA8794			
	SEOA2844			
	SEOA8588			
	seob7923			
530	fcrb0050	high-mobility group (nonhistone chromosomal) protein 17 (HMG17)	NM_005517.1	8
	fcrb0623			
	hfcr0831			
	hfcr5835			
	hfcr7819			
	hfcr8813			
	miob6477			
	SEOB1911			
531	MIOA1492m	tumor neCRosis factor-inducible (TSG-6)	M31165	8
	MIOA5836a			
	MIOA6532a			
	miob4878			
	SEOA1334			

## Figure 6A - Continued

seoa3146m			
SEOA6321			
SEOA6545a			
532 hfc0214	antigen NY-CO-33 (NY-CO-33)	AF039698.1	8
hfc0252			
hfc0262			
hfc0308			
hfc0343			
hfc0941			
hfc1392			
hfc4696			
533 FCR1442	anti-oxidant protein 2 (non-selenium glutathione peroxidase, acidic calcium-independent phospholipase A2) (KIAA0106)	NM_004905.1	8
FCR7137			
hfc0510			
hfc9490			
ncrb1614			
ncrb3101			
SEOA8541			
SEOB2161			
534 fcr0540n	constitutive fragile region FRA3B	AF152363.1	8
MIOA7239a			
miob6678			
ncr8376			
ncrc2927			
ncrc7083			
SEOB0025			
seob5222			
seob8024			
535 MIOA3282a	KIAA0242	D87684	8
miob1327			
miob3761			
ncr0541			
ncr7342			
ncrb3564			
ncrb4340			
536 fcrb2658	KIAA0663	AB014563	8
MIOA3650a			
ncr0546			
ncrc1725			
SEOA1910			
SEOA2506			
SEOA3218			
SEOA6088a			
537 hfc0404	UDP-glucose pyrophosphorylase 2 (ORF)	NM_006759.1	8
MIOA4634a			
mioa9235			
mioa9809			
miob4006			
ncrb1580			
SEOA4453a			
SEOA9892			
538 FCR7272	palmitoyl-protein thioesterase (PPT)	AF022211	8
MIOA4166			
ncr1140			
ncrc2500			
SEOA1377			
SEOA3557a			

## Figure 6A - Continued

SEOA6041a SEOA6747 539 miaa7866	N-acylsphingosine amidohydrolase (ASAH) (acid ceramidase)	NM_004315.1	8
ncr0632 ncr1711 ncr4133 ncr9209 SEOA1375 SEOA3768a SEOA5606a seob3717			
540 fcrb1283	prostatic binding protein (PBP)	NM_002567.1	8
hfcr0715 hfcr3806 miaa9396 ncrb6331 ncrc3457 ncrc6961 seob5142			
541 hfcr3516	CYTOCHROME C OXIDASE POLYPEPTIDE II	spP00403	8
hfcr3903 miob1708 ncr7588 ncrb8408 SEOA8827 seob3744 seob7435			
542 FCR3798	ornithine aminotransferase	M29927	8
hfcr4129 hfcr6796 MIOA1928a ncrb5224 ncrc5948 SEOA4323a SEOA8348a			
543 MIOA7421a	basic transcription element binding protein 1 (BTEB1)	NM_001206.1	8
ncrb1206 ncrb4351 ncrc1907 ncrc2210 ncrc2736 ncrc4464 ncrc9041			
544 FCR0154	Huntingtin interacting protein	AF049103	8
FCR4419 hfcr2784 hfcr2956 ncr3376 ncrb1833 ncrc1703 SEOA7448a			
545 FCR0366	thyroid hormone binding protein (p55) (=M22806 prolyl 4-hydroxylase beta-subunit and disulfide isomerase (P4HB))	J02783	8
FCR6276 FCR6937 fcrb1423 fcrb2193			



## Figure 6A - Continued

hfc4252			
SEOA5373			
SEOB0257			
546 FCR3819	ISLR (immunoglobulin superfamily containing leucine-rich AB024537 repeat) gene,		8
hfc3612			
hfc7582			
hfc9389			
hfc9523			
ncrb8735			
SEOA2639			
seob4629			
547 hfc6771	biglycan BGN	U11686.1	8
hfc8516			
miob4757			
ncrc1193			
SEOA2971a			
SEOB0194			
SEOB2292			
seob6134			
548 hfc0921	PPP1R5	AF110824.1	8
MIOA0311n			
miob6636			
miob6636			
ncr6733			
ncrb5130			
ncrb6542			
SEOA9074			
549 hfc5942	MADS/MEF2-family transcription factor (MEF2C) mRNA, L08895.1 complete cds		8
ncr0925			
ncr2301			
ncr8396			
ncrb2831			
ncrb7924			
ncrc1442			
ncrc2444			
550 ncr0676	RAN binding protein 2 (RANBP2)	NM_006267.2	8
ncrb1705			
ncrb8364			
ncrc0771			
SEOA0836			
SEOA1186A			
SEOA3500a			
SEOA3575a			
551 MIOA3594a	insulin-like growth factor I	X57025	8
mioa9989			
ncr0893			
ncr8032			
ncrb3026			
ncrc3893			
ncrc4828			
seob4198			
552 seob8029	single-stranded DNA-binding protein (SSBP), nuclear gene encoding mitochondrial protein	NM_003143.1	8
miob1235			
miob3098			
SEOA8240			
seob5993			

## Figure 6A - Continued

553 MIOA7417a	Nck-associated protein 1 (Nap1) (=AB011159 KIAA0587) AB014509.1	8
MIOA8238		
MIOA9100		
miob1334		
miob3047		
ncr8026		
SEOA4587		
SEOA7215a		
554 miob6717	cisplatin resistance-associated overexpressed protein AB034205.1	8
ncr5828		
ncrb0743		
ncrb2032		
ncrc3881		
SEOA8800		
SEOA9509		
SEOB3559		
555 MIOA5786a	dihydropyrimidinase-like 3 (DPYSL3) NM_001387.1	8
ncr8736		
ncr9724		
SEOA0743		
SEOA6507a		
SEOB0093		
SEOB0891a		
SEOB1584		
556 fcrb2457	KIAA0102 D14658	8
MIOA4552a		
ncr9174		
ncrb3625		
SEOA1422a		
seoa6847		
SEOA7060a		
SEOB1193		
557 MIOA1403a	KIAA0191 (zinc finger homolog) D83776	8
MIOA3292a		
MIOA3303a		
miob3381		
ncr4974		
ncr5387		
ncrc6700		
SEOA1963a		
558 FCR0338	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5 (13kD, B13) (NDUFA5) NM_005000.1	8
MIOA4149		
miob2985		
ncrb0256		
ncrc4121		
SEOA6508a		
SEOA8194a		
seob6851		
559 ncr1976	proteasome (prosome, macropain) 26Ssubunit, ATPase, 1 (RefSeq aa 1e-56) NP_002793.1	8
ncr2459		
ncrb0874		
ncrb4777		
ncrc0393		
ncrc3030		
ncrc4306		
ncrc5716		

## Figure 6A - Continued

560	ncr1743	lysosomal-associated protein transmembrane 4 alpha (MBNT)	NM_014713.1	8
	ncrb2628			
	ncrb2897			
	ncrb8558			
	ncrc0855			
	ncrc5950			
	ncrc9127			
	SEOB2726			
561	hfcrl201	adaptor-related protein complex 3, sigma 1 subunit (CLAPS3)	NM_001284.1	8
	hfcrl7699			
	ncr8459			
	ncrb0323			
	ncrb2391			
	SEOA8808			
	seob5433			
	seob6879			
562	FCR1783	nidogen-2	AJ223500	8
	FCR5462			
	hfcrl0417			
	ncrb4856			
	ncrb6659			
	ncrc4006			
	SEOA1496n			
	SEOA8986			
563	FCR3322	melanoma growth regulatory protein MIA	X75450	8
	FCR4048			
	hfcrl4223			
	hfcrl6761			
	ncr7560			
	ncr9772			
	ncrc0635			
	ncrc3620			
564	FCR2323	Arp2/3 protein complex subunit p16 (ARC16) (=AF006088 NM_005717.1 (ORF)		8
	FCR2644			
	hfcrl9709			
	miob0293			
	SEOA2424a			
	SEOA4634a			
	ncrc6996			
	SEOA7952a			
565	mioa1112m	Kallmann syndrome 1 (KAL1) (=ADMLX=putative adhesion molecule)	NM_000216.1	8
	MIOA8433			
	MIOA8937			
	miob0390			
	miob3344			
	ncr0262			
	ncrc3092			
	SEOA2854			
566	hfcrl9289	apoptosis related protein APR-1	AF143235.2	8
	hfcrl9945			
	MIOA4465a			
	MIOB2840			
	ncrc5217			
	ncrc6548			
	SEOA2775			

## Figure 6A - Continued

SEOB0514			
567 SEOB0044	TRAM protein	CAA45218.1	8
ncr8069			
ncrb5345			
SEOA1969a			
SEOB1430			
fcrb1835			
ncrb8586			
ncrb3980			
568 hfcr1115	1-8U gene from interferon-inducible gene family	X57352.1	8
FCR2512			
FCR6593			
FCR7190			
fcrb0784			
hfcr3885			
ncr3926			
ncrc3046			
569 miob5752	splicing factor SRp40-1 (SRp40)	U30826.1	8
MIOA1341a			
MIOA3031a			
ncrb5570			
ncrb8614			
ncrc1114			
ncrc9428			
seob5734			
570 ncrc2673	ORF2 contains a reverse transcriptase domain	AAA51622.1	8
miob6537			
ncr9356			
ncrb8417			
ncrc0737			
ncrc9952			
seob6537			
seob6876			
571 seob6876	ORF2 contains a reverse transcriptase domain	AAB59368.1	8
ncrc0737			
ncrc9952			
miob6537			
ncr9356			
ncrb8417			
ncrc2673			
seob6537			
572 ncrb5570	splicing factor, arginine/serine-rich 5 (RefSeq aa 1e-54)	NP_008856.1	8
MIOA1341a			
MIOA3031a			
miob5752			
ncrb8614			
ncrc1114			
ncrc9428			
seob5734			
573 seob8063	REIC/Dkk-3	AB034203.1	8
ncr6594			
ncr9379			
ncr2864			
ncr5057			
ncrb3596			
ncr4533			
ncrc3260			

## Figure 6A - Continued

574	miob2957 miob3015 miob4294 ncr3291 seob4617 seob6019 seob8000	Golgi autoantigen, golgin subfamily a, 4 (GOLGA4)	NM_002078.2	7
575	miob6968 ncrb2788 ncrb8154 ncrc0218 ncrc0868 ncrc6123 seob3716	complement component 1, s subcomponent (C1S)	NM_001734.1	7
576	FCR5083  hfcr1267 hfcr5657 ncrb1959 ncrc4152 SEOA5076a seob4654	reticulocalbin 2, EF-hand calcium binding domain (RCN2) =X78669 (ORF)	NM_002902.1	7
577	hfcr0154  hfcr0227 mioa9587 ncr0019 SEOA6115a SEOA9637 seob4170	Eukaryotic translation initiation factor 2, subunit 2 (beta, 38kD)(EIF2S2)	NM_003908.1	7
578	mioa7660a MIOA8182 miob1947 SEOA2726 SEOA4144a seoa8033 seoa8121	5' nucleotidase (EC 3.1.3.5)	X55740	7
579	ncr7434  ncr8522 ncrb2248 ncrb7408 ncrc0040 ncrc4397 SEOA9287	interferon induced transmembrane protein 1 (9-27) (IFITM1)	NM_003641.1	7
580	FCR7561  MIOA6376a ncr1229 ncr3973 ncrc9343 SEOA4813a SEOA7942a	transforming, acidic coiled-coil containing protein 1 (TACC1=AF049910)	NM_006283.1	7
581	FCR0027 CR0022 CR0838 FCR0335 FCR1281 FCR6026	fau	X65923	7

## Figure 6A - Continued

582	fcrb2480 hfcr0372 ncr5872 ncrb4396 ncrb6434 SEOB3182	KIAA0372	AB002370.1	7
583	ncr5571 ncr9674 ncrc0625 ncrc4059 SEOA2371a seoa6779 SEOB3088	MEK binding partner 1	AF201947.1	7
584	hfcr7351 hfcr8238 hfcr8576 MIOA3163a MIOA6904a miob5826 miob5889	stearoyl-CoA desaturase	AB032261.1	7
585	MIOA2698a  MIOA5481a miob0916 miob4849 ncrc2327 ncrc3585 seob4085	protein immuno-reactive with anti-PTH polyclonal antibodies	U28831.1	7
586	MIOA2922a MIOA4698 miob6055 SEOA8388a SEOA8525 seob4430 seob7352	AgX-1 antigen	S73498	7
587	MIOA1726a  MIOA8952 mioa9333 ncr6956 ncrc4093 ncrc5141 ncrc7000	erythrocyte membrane protein band 4.1-like 2 (EPB41L2) NM_001431.1		7
588	hfcr0788 hfcr6249 hfcr7663 miob0865 ncrb1772 ncrb2278 ncrc1976	valosin-containing protein(VCP)	NM_007126.2	7
589	hfcr5792 miob3917 miob4440 ncr3887 ncrb0269 ncrb5707 seob5739	clathrin, light polypeptide (Lca) (CLTA)	NM_007096.1	7
590	MIOA0176 MIOA3826	spectrin SH3 domain binding protein 1 (SSH3BP1)	NM_005470.1	7

## Figure 6A - Continued

	MIOA7455a			
	ncrb3386			
	SEOA3117a			
	SEOA9034			
	SEOB3560			
591	hfcr2150	dual specificity phosphatase 1 (DUSP1)	NM_004417.2	7
	miob4625			
	ncr1771			
	ncrb2780			
	ncrb8457			
	ncrc6322			
	SEOB3360			
592	hfcr0742	p75NTR-associated cell death executor (NADE)	AF187064.1	7
	hfcr5900			
	hfcr6598			
	mioa9711			
	SEOA8612			
	seob5922			
	seob7019			
593	fcrb1871	GW128	AF107406	7
	MIOA5951a			
	ncr5777			
	ncrb2246			
	SEOA2283a			
	SEOA5893			
	SEOB0414			
594	hfcr0320	HSPC194	AF151028.1	7
	hfcr1288			
	ncr4712			
	ncr6391			
	SEOB1118			
	seob6526			
	seob7915			
595	MIOA3349a	HSPC238	AF151072.1	7
	mioa9794			
	miob3168			
	miob4900			
	ncr4118			
	SEOA3706a			
	SEOA7566a			
596	MIOA2079n	IDN3	AB019494.1	7
	MIOA8014a			
	ncr2587			
	ncr6577			
	ncrc1235			
	ncrc5589			
	seob3264			
597	hfcr9534	KIAA0069 gene	D31885.1	7
	MIOA2596a			
	miob6597			
	ncrb1387			
	ncrb6004			
	ncrb8172			
	seob8247			
598	FCR5589	KIAA0143 gene	D63477.1	7
	hfcr1653			
	hfcr5817			
	miob0363			
	ncr0554			

## Figure 6A - Continued

ncrc5077 seob7504 599 hfc5121 MIOA5061a MIOA8854 miob1453 ncrb7252 SEOA1882 seob3935 600 FCR5903	KIAA0332	AB002330	7
fcrb2089 hfc6484 hfc9556 miob3477 ncrb3217 seob5403 601 FCR4406 MIOA0278 MIOA0763n ncr4716 ncrb1136 ncrb5142 ncrc9744 602 hfc3691 MIOA9161 miob2527 SEOB1197 seob5460 seob7437 seob7994 603 fcrb1337 hfc3498 MIOA6242a miob3002 SEOA0008 seob7764 miob3002 604 MIOA1626a MIOA7480a miob2437 ncrb2645 ncrc0180 SEOA4826a SEOB1339 605 FCR2714 FCR4465 FCR6028 FCR7362 hfc6389 miob3907 SEOA4548 606 hfc0493	non-metastatic cells 2, protein (NM23B) expressed in (NME2)	NM_002512.1	7
hfc0556 hfc5388 ncrc2097 SEOA5577a SEOA7122a	over-expressed breast tumor protein	L34839	7
	PRO0530	AF111849.1	7
	PTD010	AF078863.1	7
	glyoxalase-I (GLO1)	AF146651.1	7
	high density lipoprotein binding protein (HBP)	M64098	7
	eukaryotic translation initiation factor 3, subunit 3 (gamma, 40kD)	gi4503514	7



## Figure 6A - Continued

607	SEOB1986 fcrb1402 MIOA6594a ncr0638 ncrb2161 ncrc2325 ncrc5650 seob6577	cathepsin L (CTSL)	NM_001912.1	7
608	MIOA4785a MIOA7191a ncr1232 ncrb1831 ncrc0913 SEOA7443a seob4175	sorting nexin 6 (SNX6)	AF121856.1	7
609	FCR3132  hfc0708 MIOA5447a ncr7758 ncrc8873 seoa7981 seob4821	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2(KDEL2)	NM_006854.2	7
610	fcr1387n  ncr2493 ncrb7249 ncrc0131 ncrc4374 ncrc9387 ncrc9528	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1(NFKB1) gene, complete cds	AF213884.1	7
611	SEOA1765a SEOA3645a SEOA7323a SEOB0415 SEOB3171 seob7880 SEOA8181a	transCRiptional coactivator PC4	U12979	7
612	fcrb0265 fcrb0734 miob3473 ncrb8307 ncrc5850 SEOA9477 SEOB0715a	poly(rC)-binding protein 1 (PCBP1)	NM_006196.1	7
613	MIOA9057 ncr6286 ncrc1045 ncrc1583 ncrc6523 SEOA0200A SEOA9355	Ia-associated invariant gamma-chain gene	M13560	7
614	hfc5847 hfc8920 mioa5881an miob6511 ncr8575 ncrc3661 seoa7782a	immunoglobulin lambda gene	D87003.1	7

## Figure 6A - Continued

615	HFCR3185	uncharacterized bone marrow protein BM034 (=AK000571 FLJ20564 fis) (=P11142 HEAT SHOCK COGNATE 71 KD PROTEIN)	AF217511.1	7
	MIOB2229			
	ncrb4087			
	ncrb4095			
	ncrb6427			
	seob5099			
	seob6408			
616	fcrb1174	small membrane protein 1 (SMP1)	AF081282	7
	hfcr9094			
	miob1924			
	miob4634			
	SEOA0486			
	SEOB3236			
	seob5016			
617	hfcr2256	chondroitin sulfate proteoglycan 2 (versican) (CSPG2)	NM_004385.1	7
	MIOA4716			
	miob6865			
	ncrb1501			
	ncrb4916			
	ncrb7145			
	ncrc7070			
618	FCR1983	dermatan sulfate proteoglycan 3 (DSPG3)	U59111	7
	FCR2582			
	FCR5067			
	fcrb2122			
	hfcr2037			
	hfcr6461			
	hfcr9524			
619	hfcr8818	stromal cell derived factor receptor 1 (SDFR1)	NM_012428.1	7
	mioa9880			
	SEOA6039a			
	SEOA8246			
	SEOA9170			
	SEOB1931			
	seob7278			
620	hfcr9418	ras-related GTP-binding protein	AF106681.1	7
	MIOA5884a			
	miob1006			
	MIOB2285			
	ncrc1176			
	SEOB1490			
	seob6333			
621	FCR1420	cytosolic thyroid hormone-binding protein (=M23725 M2- type pyruvate kinase)	M26252	7
	FCR2940			
	hfcr3717			
	hfcr4897			
	hfcr5087			
	ncrb1999			
	ncrb6924			
622	hfcr6490	SLC11A3 iron transporter	AF215636.1	7
	miob2424			
	ncr1325			
	ncrb7383			
	SEOB3027			
	SEOB3322			
	seob5451			

## Figure 6A - Continued

623	MIOA6841a MIOA8820 miob3261 ncr1544 ncrb3098 ncrb6810 ncrc3718	syntaxin 8	AAD20831.1	7
624	miob4513 ncr0865 ncr6827 SEOA5447 SEOA9187 SEOB0637a seob4362	vascular cell adhesion molecule 1 (VCAM1)	M30257	7
625	fcrb2317 MIOA5729a miob1953 miob6209 SEOA3644a SEOA3930 SEOA3931	GTP-binding protein Sara	AF092130.1	7
626	FCR0472 FCR5699 FCR5699 hfcr7895 ncr0368 ncrc1859 ncrc2508	interCRine-alpha (HIRH)	U19495	7
627	miob6611 ncr2368 ncr5299 ncrc9411 SEOA9020 SEOB0209 seob6757	line-1 protein ORF2 (=p150)	B28096	7
628	mioa9336 miob3741 ncrc4955 SEOA1145a SEOA5864 SEOB0761 seob5146	small acidic protein	U51678	7
629	hfcr0328 hfcr7793 hfcr8745 hfcr9633 miob6029 ncr6010 ncr6011	small EDRK-rich factor 2 (SERF2)	NM_005770.1	7
630	SEOB1145 FCR4880 MIOA2871a MIOA5667 SEOA1308 SEOA2478 SEOB2195	ATP SYNTHASE E CHAIN, MITOCHONDRIAL	spP56385	7
631	seob6198 hfcr7749 seob6778	ubiquitin-conjugating enzyme E2 variant 1 (UBE2V1)	NM_003349.1	7

## Figure 6A - Continued

ncrb4067			
ncr6539			
ncr5375			
ncrc1540			
632 seob4160	zinc finger protein SLUG (SLUG) gene	AF084243.1	7
MIOA0736			
SEOB0458			
fcr5448n			
hfcr6324			
hfcr0535			
ncrc3727			
633 ncrb4517	RNA binding motif protein 8B (RBM8B)	AF231512.1	7
ncr1126			
ncrb5449			
ncrc1132			
ncrc3039			
seoa7034			
seoa8071			
634 MIOA2818a	CGI-149 protein	AF151907.1	7
MIOB1538			
fcr6041n			
hfcr7079			
miob1828			
MIOA5860a			
ncr6947			
635 FCR6330	elastin (ELN)	U62292	7
CR0193			
FCR7104			
fcrb1340			
hfcr3614			
hfcr1211			
hfcr3539			
636 SEOB3204	non-histone chromosomal protein (HMG-1)	L08048.1	7
miob4189			
ncr6311			
miob1888			
miob1911			
SEOA9563			
hfcr5965			
637 miob3443	KIAA0038 gene	D26068.1	7
hfcr6464			
hfcr6922			
FCR0177			
SEOB1862			
miob3164			
ncrb2299			
638 seob8232	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 8 (19kD, ASH1) (NDUFB8)	NM_005004.1	7
hfcr2763			
ncr7871			
ncr1351			
SEOB0754			
SEOA2750			
FCR7018			
639 MIOA7373a	esterase D	AF112219	7
hfcr3894			
ncrb6449			
ncrc2584			
SEOA8884			

## Figure 6A - Continued

SOA0558 seoa7761a				
640 SEOB1586 seoa7702a FCR1645 MIOA0694 MIOA5302a SOA0537 SEOA0187a	lost on transformation LOT1 (=PLAGL1)	U72621.2	7	
641 SEOA1215A	N2A3 (=DPYSL2) (=dihydropyrimidinase related protein-2)	U97105	7	
SEOB0541 MIOA2580a SEOA7570a BFCS0014 SEOA5084a MIOA2251a				
642 MIOA7378a mioa7825a seoa6989 seoa7755a miob3236 hfc3835 hfc8812	SON DNA binding protein (SON)	X63753	7	
643 MIOA8646 FCR3416 MIOA2481a MIOA3331a mioa7661a SEOA6263 SOA0704	polyposis locus (DP1 gene)	M73547	7	
644 ncr0259	LENG7 mRNA, (=PRO2003 mRNA)(= elongation factor EF-1-alpha)	AF211972.1	7	
ncrc8859 ncr6859 ncrb1451 ncrb3131 ncr9141 ncr9066				
645 fcrb2212 fcrb2015 hfc4662 hfc5095 hfc6275 hfc6557 hfc6842	matrilin 1, cartilage matrix protein (MATN1)	NM_002379.2	7	
646 miob4343	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1 (7kD, MNLL) (NDUFB1)	NM_004545.1	6	
ncr5880 ncrb5160 ncrc2991 ncrc3595 seob6132				
647 MIOA8804	proteasome (prosome, maCRopain) subunit, beta type, 1 (PSMB1)	NM_002793.1	6	
miob3003 miob3918 miob5845 seob5335				

## Figure 6A - Continued

seob7425			
648 hfc0695	Deleted in oral cancer-1 (DOC1)	NM_004642.1	6
hfc5791			
SEOA9163			
SEOB3064			
seob5592			
seob7274			
649 CR0179	cyclophilin-related protein (NKTR) gene (=PAC RPC14-613B23)	AF184110.1	6
fcrb2005			
MIOA2794a			
ncr4738			
ncrb5521			
seob7631			
650 MIOA9065	NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 1	spP03886	6
mioa9854			
miob0811			
ncrb8640			
ncrc3776			
seob6568			
651 FCR2959	myristoylated alanine-rich C-kinase substrate (=D10522 80K-L protein)	M68956	6
fcrb1666			
hfc9755			
ncrb3284			
ncrc0883			
seoa7757a			
652 FCR5714	signal recognition particle subunit 9 (SRP9)	U20998	6
MIOA2457a			
SEOA3137m			
SEOA7092a			
SEOB1506			
SEOB2941			
653 fcrb0450	heterogeneous nuclear ribonucleoprotein C (C1/C2) (HNRPC)	NM_004500.1	6
fcrb2634			
hfc3570			
hfc6391			
hfc7945			
SEOA6580a			
654 hfc1782	laminin, alpha 4 (LAMA4)	NM_002290.1	6
hfc2068			
hfc3988			
miob1096			
ncr4066			
ncr8572			
655 hfc1800	DRP-2 dihydropyrimidinase related protein 2	AB020777.1	6
ncrb1218			
ncrb4685			
seob4393			
seob4972			
seob7544			
656 MIOA7202a	HSPC307	AF161425.1	6
miob3194			
miob6922			
ncr9648			
ncrb6545			
seob6314			
657 FCR1493	progesterone binding protein (HPR6.6)	gi5729874	6

## Figure 6A - Continued

hfc5242			
MIOA0006a			
miob1925			
SEOA1657a			
SEOA6133a			
658 miob3319	inositol 1,4,5-triphosphate receptor, type 2 (ITPR2)	NM_002223.1	6
ncr0911			
ncrc9470			
seob6096			
seob7321			
659 hfc1828	ubiquinol-cytochrome c reductase hinge protein (UQCRH)	NM_006004.1	6
hfc9364			
MIOA7063a			
ncr3717			
ncrb0103			
ncrb4529			
660 ncr9732	eukaryotic translation initiation factor 4A, isoform 2(EIF4A2)	NM_001967.2	6
ncrb0362			
ncrb5085			
ncrb6064			
ncrc2495			
SEOA9146			
661 FCR3156	proteasome subunit HC9	D00763	6
FCR4958			
MIOA0579a			
MIOA2053			
SEOA0909			
SEOA8301			
662 BFCS0021	basic transCRiption factor 2 p44 (btf2p44) gene, partial cds, neuronal apoptosis inhibitory protein (naip) and survival motor neuron protein (smn)	U80017.1	6
hfc3912			
MIOA4092a			
ncrb3804			
SEOA8672			
seob4675			
663 hfc1203	U50HG genes for U50' snoRNA and U50 snoRNA, complete sequence	AB017710	6
hfc3549			
hfc8537			
miob4169			
ncrb3516			
seoa0979m			
664 FCR2421	alpha-2 globin (HBA1)	AF097635	6
FCR5670			
FCR7657			
hfc5789			
hfc5902			
hfc9602			
665 fcrb1916	RAD21 (S. pombe) homolog (RAD21) (=X98294)	gi5453993	6
hfc7084			
hfc7342			
MIOA0887a			
ncrb4249			
SEOB2199			
666 ncr4312	GDP dissociation inhibitor 2 (GDI2)	NM_001494.2	6
ncrc6832			

## Figure 6A - Continued

SEOA9835 seob3960 seob5935 seob6156 667 miob0656	disabled 2 p93 (DAB2) (mitogen-responsive phosphoprotein) (DAB2)	AF188298.1	6
miob0804 ncr5508 ncr9024 ncrc3647 SEOA9643			
668 MIOA2073 miob3863 miob3985 ncr7609 ncrb0016 ncrc9517	KIAA1074	AB028997.1	6
669 MIOA4184	myeloid/lymphoid or mixed-lineage leukemia (trithorax (Drosophila) homolog); translocated to, 2 (MLLT2)	NM_005935.1	6
ncr5939 ncr8703 ncrc1992 ncrc2644 SEOA8265			
670 MIOA1103 MIOA1278m MIOA7277 ncr5603 SEOA7340a SEOA7578a	N-terminal acetyltransferase complex ard1 subunit	AF085355.1	6
671 fcrb2676 ncr5034 ncr6257 ncr8633 ncrb4355 ncrb7713	PRO1873	AF119859.1	6
672 MIOA5833a MIOA7183a miob2956 ncr5825 SEOA0573 SEOA2975a	CMP-N-acetylneuraminic acid hydroxylase	AF074480.1	6
673 ncr9792 seob5073 seob6377 seob7454 SOA0409	somatic cytochrome c (HCS) gene	M22877.1	6
674 fcrb0702	chaperonin containing T-complex subunit 6 (CCT6) = L27706.1	NM_001762.1	6
hfcr6785 ncrb0888 ncrb1096 SEOA9627 seob4582			
675 MIOA0400a MIOA6570a miob0706 SEOA0187a	C2H2 zinc finger protein (ZNF189)	AF025772.1	6



## Figure 6A - Continued

SEOA7094a			
SEOB2247			
676 miob1706	homeobox protein CDX4 (CDX4) gene	AF003530.1	6
ncr0904			
ncr3832			
ncr4865			
seob4900			
seob7554			
677 FCR2907	immunoglobulin light chain	D87000	6
FCR4393			
MIOA1581			
MIOA2952a			
MIOA5588a			
SEOA1691a			
678 ncr4890	antioxidant protein 1 (AOP1) (=peroxiredoxin 3 (PRDX3))	NM_006793.1	6
ncrc2839			
SEOA3445a			
SEOA5589a			
seob6383			
seob7624			
679 FCR1914	lysosomal-associated membrane glycoprotein-1 (LAMP1) (=J04182)	L08582	6
MIOA8993			
miob3562			
miob5914			
ncr7696			
SEOA1636a			
680 MIOA2815a	glutaredoxin	X76648.1	6
miob4892			
ncrc9227			
seoa8047			
seob5490			
seob7169			
681 hfcr0350	cornichon protein	AF070654.1	6
MIOA5494a			
mioa9911			
miob6193			
ncrc1904			
SEOA1301a			
682 MIOA2290a	dermatopontin	Z22865	6
MIOA4841a			
ncr7747			
ncrc9704			
SEOA0920			
seob7728			
683 fcrb0293	myosin, light polypeptide 1, alkali; skeletal, fast (MYL1)	NM_002475.1	6
hfcr9628			
ncr5036			
ncr5424			
ncrc0266			
ncrc4135			
684 hfcr3979	CD36 antigen	L06850.1	6
hfcr5117			
MIOA6435a			
miob4477			
ncrc5806			
SEOA6313			

## Figure 6A - Continued

685	SEOA9610	guanine nucleotide binding protein 11 (GNG11) = U31384.1	NM_004126.1	6
	MIOA2059n			
	miob3442			
	ncrb1413			
	ncrb1848			
	ncrc1048			
686	FCR2946	vascular endothelial growth factor (VEGF)	AF024710.1	6
	hfcR4663			
	ncr3248			
	ncrb0366			
	ncrc9100			
	seob5606			
687	hfcR3716	integrin alpha 10 subunit (ITGA10)	AF112345.1	6
	ncr0448			
	ncr0661			
	ncrb4941			
	ncrc4986			
	seob5612			
688	MIOA8121	HIC protein	AF054589	6
	miob0172			
	SEOA0393			
	SEOA8946			
	SEOB0014			
	SEOB3261			
689	ncr3184	KIAA0187 gene	NM_014753.1	6
	ncr4505			
	ncr5984			
	ncrb1780			
	ncrb2003			
	seob7341			
690	FCR2540	KIAA0436	AB007896	6
	FCR6658			
	MIOA0188			
	MIOA6153a			
	ncrc0051			
	SEOA1903			
691	hfcR6412	KIAA0530	AB011102	6
	miob4808			
	ncrc4835			
	ncrc9880			
	SEOA5699a			
	SEOB2814			
692	MIOA0067A	KIAA0569	AB011141	6
	miob0983			
	ncr2553			
	SEOA2715			
	SEOA5977a			
	seob6277			
693	FCR6471	KIAA0766	AB018309.1	6
	MIOA2190a			
	MIOA7592a			
	ncr6553			
	SEOA0950			
	SEOB0809			
694	miob0596	KIAA0942 protein (KIAA0942)	NM_015310.1	6
	miob4906			
	ncr3297			
	SEOA1314			

## Figure 6A - Continued

seoa3178m			
seob5344			
695 MIOA0030a	Pcp-2= Purkinje cell protein 2	S40022	6
SEOA0007			
SEOA1897			
SEOA3738a			
SEOA5374			
SEOA6641a			
696 MIOA0505n	PRO1073	AF113016	6
MIOA2518a			
MIOA3973a			
MIOA6533a			
MIOA7182a			
ncrc4381			
697 hfcr0615	PRO2640	AF116710.1	6
hfcr3726			
hfcr3771			
hfcr7481			
hfcr7487			
hfcr8284			
698 MIOA5979a	SON protein	AF193606	6
MIOA6825a			
MIOA6850a			
SEOA5894			
SEOA6083a			
SEOA6159a			
699 seob8241	protein tyrosine phosphatase type IVA, member 2 (PTP4A2)	NM_003479.1	6
ncr2520			
ncrc3703			
SEOA8528			
SEOB2109			
seob8241			
700 FCR5509	low density lipoprotein receptor	L00352	6
hfcr4176			
miob0944			
miob3471			
ncr8966			
ncrb4057			
701 MIOA8858	ATP SYNTHASE GAMMA CHAIN, MITOCHONDRIAL PRECURSOR	spP36542	6
MIOA8894			
SEOA1962a			
hfcr0033			
MIOA3788			
MIOA3178a			
702 FCR4622	cytochrome c oxidase subunit VIII (COX8)	J04823	6
HFCR3147			
hfcr4776			
hfcr0818			
hfcr4203			
hfcr5820			
703 SEOA1789a	leucine aminopeptidase	AF061738	6
ncr5718			
SEOB0345			
SEOB1614			
SEOA9719			
ncr7880			
704 SEOA0470n	calpastatin	D50827	6

Figure 6A - Continued

MIOA8201			
SEOA1848a			
SEOA5437			
SEOA7081a			
hfc7677			
705 SEOB3493	threonyl-tRNA synthetase (TARS)	NM_003191.1	6
SEOA4402a			
SEOA9372			
ncr0255			
seoa7033			
SEOB0675a			
706 SEOA7897a	ribosomal protein L33-like protein	AF047440	6
ncrb7195			
HFCR3117			
seob4671			
MIOA8856			
ncr9979			
707 miob4424	chaperonin containing TCP1 subunit 4 (delta) (CCT4)	NM_006430.1	6
hfc76487			
hfc1890			
ncrb2160			
seoa8124			
ncr2061			
708 hfc76687	Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV)	NM_001997.1	6
hfc74125			
fcrb2382			
hfc70964			
fcrb2651			
ncrc5376			
709 MIOA3473a	Id-2H	D13891	6
FCR5297			
MIOA6202a			
ncrc9908			
SEOB0005			
SEOA4446a			
710 FCR0274	shox gene	U82668	6
hfc79250			
hfc74141			
hfc77863			
hfc77860			
ncr1568			
711 SEOB0128	SOX4	AF124147.1	6
MIOA6316a			
SEOB1953			
ncr7035			
ncr4210			
ncr7425			
712 SEOA7459a	transCRiption factor (CBFB)	L20298	6
hfc76500			
ncrb1839			
SEOB0243			
SEOB0723			
SEOA9661			
713 hfc73441	poly(rC)-binding protein 2 (PCBP2)	NM_005016.1	6
ncrb5742			
ncrc3244			
ncrb0564			
ncrb7115			

## Figure 6A - Continued

ncrb3300			
714 ncr0317	RNA-binding protein regulatory subunit	AF021819	6
seob5774			
BFCS0219			
FCR2416			
fcrb0250			
ncr5896			
715 ncr3768	Membrane cofactor protein	X59408.1	6
hfcr9297			
miob5828			
ncr3809			
ncr8508			
SEOA0775			
716 SEOA2053	catalase	X04076	6
MIOA1543			
MIOA2533a			
SEOA2053			
miob6008			
ncrc4647			
miob3167			
717 SEOA2436a	complement C1r	M14058	6
SOA0616			
FCR3050			
SEOA9841			
SEOA9656			
seob6402			
718 ncr1186	glutathione peroxidase 3 (plasma) (GPX3)	NM_002084.2	6
ncr8192			
ncrb2444			
ncr8401			
ncrc6668			
ncr9019			
719 SEOA6751	synaptophysin-like protein (SYPL)	gi5803184	6
SEOA8669			
seob6710			
ncrc5023			
ncrc6308			
fcrb2466			
720 miob5491	CGI-07 protein	AF132941.1	6
ncrb1765			
seob6562			
MIOA5229a			
ncrb7804			
seoa7680a			
721 MIOA6580a	CGI-148 protein	AF151906	6
MIOA7590a			
seob7383			
SEOA9722			
SEOA9478			
SEOA4178a			
722 hfcr1671	filamin (FLNB)	AF191633.1	6
miob5429			
hfcr6699			
ncrb8576			
hfcr9796			
bfcw0340n			
723 FCR0766	chondroadherin (CHAD)	U96769	6
fcrb1608			
hfcr1927			

## Figure 6A - Continued

hfc2572			
ncrb6441			
ncrc5155			
724 FCR3823	nonmuscle myosin heavy chain-B (MYH10)	M69181	6
hfc0725			
hfc7493			
SEOA9760			
FCR3199			
hfc0720			
725 hfc4275	conserved gene amplified in osteosarcoma (OS4)	NM_005730.1	6
ncr7149			
miob1711			
ncrc6309			
SEOA3486a			
miob1882			
726 hfc3660	signal sequence receptor, gamma (translocon-associated protein gamma) (SSR3)	NM_007107.1	6
ncrb0092			
SEOB2184			
ncrc6272			
ncr7270			
ncrb5301			
727 SEOA3514a	okadaic acid-inducible and cAMP-regulated phosphoprotein 19 (ARPP-19) (=Y16968.1 l-myc homologue)	AF084555.1	6
hfc4172			
hfc6485			
MIOA4343a			
miob6685			
MIOA3082a			
728 SEOA4403a	SH3 domain-containing protein SH3P18	U61167	6
FCR2818			
MIOA8084			
MIOB2144			
miob6440			
FCR3990			
729 SEOB0976	transformer-2 alpha (htra-2 alpha)	U53209.1	6
FCR1460			
hfc0375			
hfc8735			
seob4137			
ncrc5823			
730 SEOA2233a	cullin 4A (CUL4A)	AF077188.1	6
MIOA6458a			
miob3664			
ncrc3610			
SEOA4120a			
SEOA9107			
731 ncr0213	dendritic cell protein (GA17)= AF064603 GA17 protein	NM_006360.1	6
ncrc9604			
ncrc0289			
ncrb2323			
ncr8054			
ncrc3246			
732 SEOB3197	voltage-dependent anion channel (VDAC1)	AF151097.1	6
ncr6293			
MIOA4930a			
MIOA4943a			

## Figure 6A - Continued

seob6357 SEO4197a			
733 MIOB2664	bullous pemphigoid antigen (BPAG1)	L11690.1	6
miob3540			
ncr7176			
ncrb7556			
ncrc1408			
ncrc4295			
734 SEOB3386	IGSF4 gene	AB017563.1	6
MIOA1439			
SEOB2973			
SEO48585			
seob6239			
SEOB1715			
735 SEO44730a	exportin 1 (CRM1,yeast, homolog) (XPO1)(ORF) =D89729, CRM1 protein,	NM_003400.1	6
MIOA5849a			
SEO49516			
SOA0058			
ncrc9586			
miob3291			
736 miob2375	H3 histone, family 3B (H3.3B) (H3F3B)	NM_005324.1	6
fcrb1771			
fcrb1772			
hfcr7548			
ncrc2123			
hfcr0335			
737 ncr8693	Histone 4 family, member M (RefSeq aa 7e-53)	NP_003486.1	6
ncr6178			
ncrb2655			
ncrb1630			
ncrc3022			
ncrc6643			
738 SEO44822a	non-histone chromosome protein 2 (S. cerevisiae)-like 1 (NHP2L1)=D50420,OTK27	NM_005008.1	6
hfcr3712			
fcrb0016			
ncrb4543			
ncrb6317			
ncrb5158			
739 SEO41237A	growth arrest specific transCRipt 5 gene	AF141346.1	6
MIOA7951a			
hfcr9207			
hfcr9592			
ncrc9825			
SEO48569			
740 SEOB3520	SPHAR gene for cyclin-related protein	X82554.1	6
mioa9997			
ncrb4597			
seob4477			
ncrb0859			
SEO40240a			
741 MIOA2333a	H-2K binding factor-2	D14041	6
seoa0461m			
SEO44036a			
SEO46555a			
SEO48366a			
ncrb3320			
742 seob5621	KIAA0349 gene	AB002347.1	6

Figure 6A - Continued

	miob0647			
	ncrb4506			
	ncrb5811			
	ncr0148			
	hfcr3746			
743	SEOB1908	KIAA0885	AB020692.1	6
	SEOA8583			
	ncrb2651			
	ncrb1336			
	SEOA1398			
	SEOA3405a			
744	SEOB0950	KIAA1025	AB028948.1	6
	MIOA1128			
	MIOB1518			
	mioa1127m			
	hfcr9528			
	ncrc5946			
745	MIOA0493	LGMD2B	AJ007973	6
	SOA0482			
	hfcr7958			
	miob2360			
	miob6443			
	ncrc6939			
746	FCR5026	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase (PF2K) (=AB007902 KIAA0442)	AF041832	6
	SEOA1361			
	FCR2817			
	hfcr4652			
	ncrc2796			
	hfcr9564			
747	MIOA8998	protein phosphatase 1 catalytic subunit, beta isoform (PPP1CB)	NM_002709.1	6
	seob4826			
	ncr4122			
	SEOA1116a			
	ncr1405			
	ncr5392			
748	SEOA0285	mitochondrial 16S rRNA	Z70759	6
	mioa0762m			
	SEOA1241A			
	CR0928			
	FCR3940			
	SEOB1358			
749	SEOB2792	mitochondrial coxII	X55654.1	6
	FCR1749			
	FCR1465			
	FCR5408			
	MIOA4643a			
	mioa9983			
750	SEOA0150	glutaminase C	AF158555.1	6
	SEOA8539			
	ncrc1549			
	miob2384			
	ncr7103			
	ncrc3453			
751	miob2478	DNA-binding protein A gene	L29073.1	6
	SEOB1354			
	SEOB1365			
	hfcr8418			



## Figure 6A - Continued

ncr6210			
ncrb1117			
752 FCR7744	general transcription factor 2-I (GTF2I)	AF038968	6
BFCS0407			
hfc6694			
ncr2543			
hfc6016			
ncr7742			
753 mioa9679	YME1 ( <i>S.cerevisiae</i> )-like 1(YME1L1), = AJ132637.1 ATP-NM_014263.1 dependent metalloprotease YME1L (ORF)		6
hfc6352			
ncr1319			
ncrc6000			
MIOA1432			
SEOA2219a			
754 seob4807	splicing factor, arginine/serine-rich (transformer 2 <i>Drosophila</i> homolog)(SFRS10)	NM_004593.1	6
hfc9217			
SEOA9022			
SEOB1682			
SOA0161			
hfc2131			
755 SEOA5784	LIM and SH3 protein 1 (LASP1) (=X82456 MLN50)	gi5453709	6
hfc5177			
MIOA0271			
hfc7830			
CR0219			
SEOA2098			
756 SEOA5358	TGF-beta inducible early protein (TIEG)	U21847	6
ncrb5869			
ncrc5458			
hfc3848			
SEOA5615a			
ncrb3329			
757 hfc1724	pigment epithelium-derived factor (PEDF)	NM_002615.1	6
hfc6870			
hfc7833			
BFCN0013			
hfc7440			
hfc3065			
758 SEOB3499	ARP2/3 protein complex subunit 34 (ARC34)	NM_005731.1	6
fcrb0140			
SEOA1813a			
SEOA3189			
FCR1881N			
ncrc5648			
759 SEOA0915	high mobility group 2 protein (HMG-2)	M83665	6
miob1172			
soa0197n			
ncrb8219			
hfc4439			
fcrb2458			
760 SEOA4646a	jumping translocation breakpoint (JTB) =AB016488 hJTB NM_006694.1 (ORF)		6
ncrb1911			
ncrc3417			
BFCW0333			
SEOA7626a			
SEOA7640a			

## Figure 6A - Continued

761 seob8220	murine leukemia viral (bmi-1) oncogene homolog (BMI1)	NM_005180.1	6
ncrb5247			
ncrc0904			
SEOA2126n			
SEOA9678			
mioa2126m			
762 SEOA8566	13kDa differentiation-associated protein	AAF17196.1	6
seoa4977a			
SEOA9376			
SEOA9605			
ncrb6853			
ncr2783			
763 ncrc9793	hypothetical protein Nop10p (RefSeq aa 1e-33)	NP_061118.1	6
ncr0648			
ncrc3681			
ncr6315			
ncrc3009			
ncrc5705			
764 SEOA1348	KIAA0103	D14659	6
mioa3137an			
ncr7551			
seoa1348			
SEOA9416			
hfc6131			
765 ncrb7102	p130 (130K protein)	X76061.1	6
SOA0056			
ncrc0207			
ncrc0889			
ncrc1004			
miob6408			
766 MIOB2724	S1R protein (S1R) (=CGI-119)	AF113127.1	6
SEOA5994a			
seob4211			
seoa7989			
ncr0918			
ncrb8318			
767 MIOA5955a	ATP synthase, H transporting, mitochondrial F0 complex, subunit c (subunit 9), isoform 1 (ATP5G1) (ORF)	NM_005175.1	6
ncr6126			
ncr6223			
ncr6236			
miob3229			
MIOA4283			
768 ncr0075	fragile X mental retardation 1 (FMR1)	NM_002024.1	6
fcrb1974			
miob6546			
ncrc0924			
ncrc2070			
ncrb3355			
769 MIOA6135a	nucleobindin 2 (NUCB2)(NEFA protein)	X76732	6
SEOA9353			
SOA0165			
ncrc5608			
SEOA0316			
SEOA1356			
770 SEOA8397a	progesterone membrane binding protein (PMBP)	5453915	6
MIOB1558			

## Figure 6A - Continued

ncrb1624			
seob6528			
mioa7699a			
seoa7748a			
771 ncr9772	melanoma inhibitory	NM_006533.1	6
hfc4223			
hfc6761			
ncrc0635			
ncrc3620			
ncr7560			
772 MIOB2641	KIAA1250	AB033076.1	6
hfc8275			
miob1455			
miob6414			
SEOA9374			
SEOB1567			
773 ncr0189	ORF2 [Canis familiaris](60%)	AB012223	6
ncr1240			
ncr8649			
ncrb2351			
seob3748			
mioa9259			
774 seob5730	POLR2K gene for RPB10 alpha	AJ252078.1	6
seob6483			
SEOB3252			
ncr2058			
ncr4208			
ncr6110			
775 MIOA4643a	cytochrome C oxidase II subunit (ORF)	X55654	6
mioa9983			
SEOB2792			
FCR5408			
FCR1749			
FCR1465			
776 FCR4633	karyopherin (importin) beta 1 (KPNB1) (=L38951 importin gi4504904 beta subunit)		6
hfc1590			
CR0857			
miob1209			
ncrc7189			
seob4669			
777 ncrc6553	CD59 antigen p18-20 (antigen identified by monoclonal antibodies 16.3A5, EJ16, EJ30, EL32 and G344) (CD59)	NM_000611.1	6
HFCR3081			
SEOA5775			
seob4103			
ncrb1896			
ncrb1856			
778 MIOB1094	CAR (RFP2)	AF279660	6
bfcn0217n			
fcrb2023			
seoa0124nn			
mioa5565a			
mioa7915			
779 ncrc7181	signal peptidase complex (18kD) (SPC18)	NM_014300.1	6
SEOB0490			
ncrb4948			
fcr4976n			

## Figure 6A - Continued

miob6747 ncrc1025 780 mioa7857	basic helix-loop-helix domain containing, class B, 2 (BHLHB2), mRNA /cds=(196,1434) /gb=NM_003670 /gi=4503298 /ug=Hs.171825 /len=2922	Hs.171825	6
ncrb8797 SEOA8638 SEOB0592 SEOB0598 hfcr1185 781 miob1355 seob6473 MIOA8782 FCR4676 miob2528 SEOB0971 782 ncr0287	5-aminoimidazole-4-carboxamide ribonucleotide	NM_004044.1	6
ncr2635 ncrb3585 ncrb3944 ncrc3564 783 hfcr9778	actin, alpha 2, smooth muscle, aorta (ACTA2) (ORF)= J05192.1	NM_001613.1	5
mioa3852n miob0376 miob2355 seob6618 784 BFCN0018 FCR4486 hfcr6912 SEOA1075a SEOA1075a	NADH dehydrogenase(ubiquinone) 1 beta subcomplex, 3 (12kD, B12) (NDUFB3)	NM_002491.1	5
785 SEOB1357	heterogeneous nuclear ribonucleoprotein (hnRNP) core protein A1	X12671	5
SEOB1357 hfcr8963 miob4606 ncrb1514 786 MIOA1628a MIOA1911a miob6258 SEOA5986a SEOB2745 787 ncr5499	eukaryotic translation initiation factor 3, subunit 10 (theta, gi4503508 150/170kD)		5
ncr7417 ncrb7614 ncrc2641 SEOB3517 788 hfcr2651 hfcr7455 ncrc4130 seob7024 fcrb2765 789 CR0778 FCR6882 hfcr0242	adenylyl cyclase-associated protein (CAP)	L12168	5
	tetratricopeptide repeat domain 3 (TTC3)(= DCRR1 )(= TPRDIII)	NM_003316.1	5
	endothelial differentiation-related factor 1 (EDF1)	NM_003792.1	5
	ATP SYNTHASE A CHAIN (PROTEIN 6)(ORF)	P00846	5

## Figure 6A - Continued

ncr0221				
ncr1046				
790 FCR2508	NADH-ubiquinone oxidoreductase subunit CI-B14	AF047182	5	
FCR4175				
MIOA4763				
MIOA8252				
SEOA7921a				
791 hfc95881	MHC class 1 region	AF055066	5	
MIOA1763				
MIOA3969a				
ncrc2058				
ncrc5587				
792 hfc97512	plastin 3 (T isoform) (PLS3)	NM_005032.2	5	
miob4132				
miob4132				
ncrb0415				
ncrc6977				
793 MIOA0510	hexosaminidase B (beta polypeptide) (HEXB)(ORF)	NM_000521.1	5	
ncr4385				
ncr7017				
ncrb6361				
seob5415				
794 hfc90503	breast cancer associated gene 1 protein (BCG1) (ORF)	AF128528.1	5	
hfc90985				
hfc93916				
hfc97081				
hfc99191				
795 FCR4719	ornithine decarboxylase antizyme	D87914	5	
fcrb0057				
hfc90282				
hfc97611				
ncr0851				
796 MIOA1636a	enterocyte differentiation associated factor EDAF-1	U62136.2	5	
MIOA1876a				
miob1131				
SEOB0077				
seob7022				
797 miob6338	four and a half LIM domains 1 (FHL1)	NM_001449.1	5	
ncr4606				
ncrb0157				
ncrc1679				
SEOA4140a				
798 fcrb0157	translocase of outer mitochondrial membrane 20 (yeast) homolog (KIAA0016),	NM_014765.1	5	
hfc97695				
ncr0170				
ncr1597				
seob5419				
799 fcrb0727	mouse tropomyosin homolog (HSPC001) =AF047439(ORF)	NM_004872.1	5	
hfc91347				
MIOA4651a				
MIOB2737				
miob6829				
SEOA4717a				
800 MIOA0940	DNA polymerase zeta catalytic subunit (REV3)	AF157476.1	5	
MIOA3260a				
ncrc6637				

## Figure 6A - Continued

SEOA0727a seob3753			
801 FCR0821	eukaryotic initiation factor 4 gamma (eIF-4 gamma)	D12686	5
FCR2648			
FCR5513			
SEOA0356			
SEOA3863			
802 FCR0946N	eukaryotic translation initiation factor 4A, isoform 1 (EIF4A1)	D13748	5
fcrb1741			
hfc3479			
hfc4499			
hfc7513			
803 MIOA2150	E6-AP ubiquitin-protein ligase (UBE3A)	AF009341.1	5
MIOA4882a			
MIOA4946a			
SEOA8582			
SEOB1898			
804 fcrb1561	prolyl 4-hydroxylase beta-subunit and disulfide isomerase M22806.1 (P4HB)		5
fcrb2091			
fcrb2134			
hfc3738			
hfc6176			
805 HFCR3155	archain 1 (ARCN1)	gi4502194	5
ncr1786			
ncr5526			
ncrb5363			
seoa7004			
806 CR0959	protein kinase C inhibitor-I	U27143	5
mioa9356			
ncr6898			
SEOA1109a			
seob6092			
807 FCR1598N	serine/threonine kinase KPM	AF207547.1	5
fcrb0114			
miob6098			
ncrc1986			
ncrc3313			
808 hfc2759	fibroblast growth factor 2 (basic)(FGF2)	NM_002006.1	5
miob5937			
ncr6797			
ncrb2503			
seob5260			
809 miob0278	predicted osteoblast protein (GS3786), mRNA	NM_014888.1	5
ncrc6526			
seoa6950			
SEOA9761			
SEOB3258			
810 SEOB0509	HSPC204	AF151038.1	5
miob0978			
miob5676			
seob3881			
seob7185			
811 MIOA1544	KIAA0579	AB011151.1	5
MIOA1761			
MIOA4010a			
ncr8101			
SEOB0906a			

## Figure 6A - Continued

812 MIOA1515 SEOA3628a SEOA3689a SEOA3960a SEOB3356	Rap1B	U07795	5
813 MIOA0317 SEOA0533 SEOA1182A seob5631 seob7582	X (inactive)-specific transCRipt (XIST)	M97168	5
814 MIOA8320 BFCW0325 FCR0677 ncrb0136 ncrb4885	alcohol dehydrogenase, class III (ADH5) chi subunit	M30471	5
815 SEOB2661  miob5793 ncr1098 ncrb2186 seob5622	diphosphoinositol polyphosphate phosphohydrolase type 2 (NUDT4)	AF191654.2	5
816 MIOA1310 FCR0141 FCR7002 ncrb0293 ncrc1498	phosphatidic acid phosphatase 2a	AB000888	5
817 SEOB0248  hfcr4134 hfcr9345 seob5360 seob6636	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9 (22kD, B22) (NDUFB9)	NM_005005.1	5
818 hfcr0669  ncrc9166 MIOA7040a ncrb1914 seob2334	NADH dehydrogenase(ubiquinone) 1, alpha/beta subcomplex, 1 (8kD, SDAP)(NDUFAB1) mRNA	NM_005003.1	5
819 miob6188 FCR6107 ncrc6511 ncr3500 ncrb1532	selenoprotein W (hSelW)	AF015283.1	5
820 hfcr6164 seob6242 miob5102 seoa0985m SEOA5370	frizzled (Drosophila) homolog 1 (FZD1)	NM_003505.1	5
821 miob3911 fcr3494n ncr0605 ncrc5282 ncrc9204	nuclear factor I/B (NFIB)	NM_005596.1	5
822 HFCR2390 ncr3281 ncr3858 ncrc6353 hfcr0981	heterogeneous nuclear ribonucleoprotein M (HNRPM)	5174610	5
823 SEOA9705	heterogeneous nuclear ribonucleoprotein R (ORF)	AF000364	5

## Figure 6A - Continued

hfc8939			
MIOA0329n			
mioa0766n			
ncrb7626			
824 seob4145	nuclear protein (NP220)	NM_014497.1	5
hfc6824			
seob7074			
SOA0429			
SEOA0898			
825 MIOA2300a	T-cell receptor alpha delta locus	AE000659	5
FCR0081			
MIOA2596a			
miob0986			
FCR0567			
826 miob3107	translocase of inner mitochondrial membrane 17 (yeast) homolog A (TIM17), mRNA	NM_006335.1	5
ncr1425			
ncrc1971			
ncrc3053			
ncrc4089			
827 SEOB1889	miCRosomal glutathione S-transferase 3 (MGST3)	AF026977.1	5
seob6050			
ncrc2832			
ncrc9941			
ncrc0356			
828 MIOA2537a	copine III (CPNE3) (=AB014536 KIAA0636)	gi4503014	5
seob7100			
seoa6761			
ncr8341			
ncrb3029			
ncr1004			
829 hfc2201	Golgi apparatus protein 1 (GLG1)	NM_012201.1	5
ncr6757			
hfc7555			
ncrc3695			
ncrc5363			
830 MIOA0192	destrin (actin depolymerizing factor) (ADF)	5802965	5
hfc7375			
seoa0800m			
hfc0425			
MIOA9175			
831 seob3905	growth arrest and DNA-damage-inducible, alpha (GADD45A)	NM_001924.1	5
SEOA3665a			
SEOA8604			
hfc9666			
ncr8870			
832 SEOB1426	5T4 oncofetal trophoblast glycoprotein (5T4)	NM_006670.1	5
ncrc1875			
ncrc4357			
MIOA4590a			
ncr9027			
833 seob5342	Autosomal Highly Conserved Protein (AHCP) (=DKFZp586G051)	NM_016255.1	5
ncrb0492			
ncrc1763			
miob6121			
ncrc9116			
834 MIOB2869	Diff33 protein homolog	AF164794.1	5



## Figure 6A - Continued

	FCR3579			
	seob5434			
	SEOB3017			
	seob4026			
835	seob5556	G8 protein (G8)	NM_016947.1	5
	hfc6308			
	hfc3437			
	ncrb6034			
	hfc5912			
836	MIOA1279m	HSPC067	AF161552_1	5
	MIOB1540			
	SEOA1643a			
	miob0919			
	mioa7807a			
837	ncr3084	HSPC316	AF161434.1	5
	ncr4369			
	ncrc1336			
	ncrc1828			
	ncrc6535			
838	SEOB0497	HSPC034 protein	AF100747.1	5
	MIOA0167			
	SEOA9653			
	seob4237			
	MIOA5356a			
839	seob7658	KIAA0077 gene	D38521.1	5
	ncrb1639			
	FCR1106			
	MIOA2004			
	seob7056			
840	SEOA1992	KIAA0107	D14663	5
	FCR0785			
	FCR3435			
	FCR5951			
	ncrb5343			
841	seob4560	KIAA0127	NM_014755.1	5
	miob0915			
	ncr1675			
	ncrc0802			
	MIOA0452			
842	FCR2966	KIAA0174	D79996	5
	miob5732			
	ncr6155			
	ncrc3936			
	ncr3520			
843	FCR4084	KIAA0244 gene	D87685	5
	SEOA3018a			
	MIOA0323			
	SEOA5747a			
	seob5941			
844	MIOA1226	KIAA0265	D87454	5
	MIOA3645a			
	MIOA6537a			
	hfc4143			
	hfc8394			
845	MIOA0804	KIAA0308	AB002306	5
	ncr4372			
	miob3331			
	miob6074			
	ncr6809			

## Figure 6A - Continued

846 seob6584 ncrc6852 FCR3803 FCR4027 hfcrl1178	KIAA0325 gene	AB002323.1	5
847 SEOA6530a ncr1409 SEOA9902 MIOA4061a MIOA4797a	KIAA0382	AB002380	5
848 MIOA6147a MIOA6434a SEOA5572a ncr3899 ncrc0534	KIAA0577	AB011149	5
849 ncr0034 hfcrl7105 SEOA3701a FCR5200 ncr0034	KIAA0670 protein/acinusL (no-exact match 42% a.a.)	NP_055792.1	5
850 seob4087 ncr2613 ncrb4278 miob3096 seob7093	KIAA0680 gene product (KIAA0680)	NM_014721.1	5
851 ncr3368 ncrb0506 ncrb0491 seob3889 MIOA7059a	KIAA0853	AB020660.1	5
852 SEOA2952a MIOA5986a MIOA9162 miob4396 ncr8971	KIAA0977	AB023194.1	5
853 SEOA6184a SEOB1293 ncrc9596 ncrc9874 ncr0366 miob3052	KIAA1013	AB023230.1	5
854 hfcrl7671 SEOA5705a MIOA4754 MIOA5006a SEOA9038	KIAA1053	AB028976.1	5
855 SEOA1228A  MIOA3291a ncr6887 ncr0456 ncrc9959	meningioma-expressed antigen 5 (MEA5) (=KIAA0679)	AF036145	5
856 hfcrl9242 hfcrl0341 hfcrl6069 ncr6897 FCR6235	myeloid leukemia factor 2 (MLF2)	NM_005439.1	5
857 SEOB2259 MIOA8191	NY-REN-45 antigen (LOC51133)	NM_016121.1	5

## Figure 6A - Continued

miob3916			
seob4778			
ncr0292			
858 hfc0023	PEG1/MEST	D87367.1	5
HFCR3077			
hfc6532			
FCR3822			
hfc0119			
859 hfc2725	PRO2605	AF116709.1	5
hfc6546			
hfc8968			
ncr0923			
fcrb1513			
860 seob4591	PRO2751	AF119896.1	5
hfc0246			
miob3431			
seob5006			
SEOA9796			
861 MIOA8652	PTH-responsive osteosarcoma D1 protein	AAD25980.1	5
SEOA4697a			
ncrc6395			
MIOA4474a			
ncr8741			
862 SEOA3207	seCReted protein of unknown function (SPUF)	AF173937.1	5
MIOA8498			
ncrc9163			
SEOA0226a			
ncr2297			
863 SEOA8642	steroid sensitive gene-1 protein (SSG-1)	AF223677.1	5
ncr3551			
ncrb5377			
fcrb1152			
SEOA9609			
864 hfc0347	uncoupling protein 2 (ucp2 gene homologue)	AJ243250.1	5
hfc1001			
hfc1367			
hfc1388			
hfc4651			
865 hfc0545	X-linked anhidrotic ectodermal dysplasia protein gene (EDA), exon 2 and flanking repeat regions	AF003528.1	5
ncrb5925			
ncrc8907			
ncrc0857			
ncrc9773			
866 hfc3445	S100 calcium-binding protein A13 (S100A13)	NM_005979.1	5
ncrb7829			
hfc8655			
ncrb6415			
hfc9742			
867 hfc9052	pyruvate dehydrogenase (lipoamide) alpha 1 (PDHA1)	NM_000284.1	5
MIOA6773a			
hfc1402			
ncr7413			
MIOA2714a			
868 SEOA3578a	protein x 0001	AF117230	5
MIOA6124a			
SEOA3525a			
seob7101			

Figure 6A - Continued

ncrb6041			
869 MIOA5346a	PTEN (PTEN) gene	AF143312.1	5
ncr6647			
ncr2129			
ncrc2820			
SEOA9406			
870 MIOA9147	lipoprotein lipase (LPL)	NM_000237.1	5
MIOA2642			
miob2419			
miob3712			
ncrc9466			
871 hfcr0967	CYTOCHROME C OXIDASE POLYPEPTIDE III	P00414	5
miob0875			
ncrc2056			
SEOA8962			
SEOA9392			
872 ncr8640	NADH dehydrogenase subunit 1(RefSeq aa 2e-70)	gi5835388	5
ncr4605			
ncrb6186			
ncrb2292			
ncrc2840			
873 seob4502	NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 4	P03905	5
ncrc5143			
ncr0274			
seob2309			
hfcr3534			
874 SEOA1041a	NADH-UBIQUINONE OXIDOREDUCTASE MLRQ SUBUNIT (COMPLEX I-MLRQ) (CI-MLRQ)	spO00483	5
MIOA8244			
SEOA8579			
SEOB0714a			
SEOB1676			
875 ncr2954	dihydrofolate reductase (DHFR)	NM_000791.2	5
SEOB2096			
seob4187			
MIOA6820a			
seob7891			
876 fcrb0598	aspartyl-tRNA synthetase (DARS)	NM_001349.1	5
hfcr9449			
ncrb2461			
ncr9863			
SEOB2719			
877 seob4782	mitochondrial serine hydroxymethyltransferase gene, nuclear encoded mitochondrion protein, complete cds	U23143.1	5
hfcr9189			
seob6658			
FCR3911			
hfcr7674			
878 FCR5803	cystatin B	U46692	5
FCR7458			
SEOA6273			
ncrb5418			
ncrc9905			
879 SEOA2381a	PROS-27	X59417	5
FCR2002			
ncr2482			
ncrb6236			
seoa0340m			
880 SEOA6497a	sorting nexin 3 (SNX3)	AF034546	5

## Figure 6A - Continued

hfc0745			
SEOA4830a			
seoa7802a			
miob0313			
881 SEOB2717	AKAP450 protein	AJ131693.1	5
miob5452			
MIOA0302			
MIOA8156			
seob6682			
882 SEOA6155a	farnesyl-protein transferase alpha-subunit	L00634	5
SEOA7642a			
FCR6784			
ncrb1912			
MIOA4824a			
883 seob4209	prolylcarboxypeptidase (angiotensinase C) (PRCP)	NM_005040.1	5
miob0809			
ncrb0441			
ncr0769			
hfc0298			
884 hfc04034	sequestosome 1 (SQSTM1) (=U46751.1 phosphotyrosine independent ligand p62)	NM_003900.1	5
fcrb1527			
seoa7717a			
MIOA6918a			
SEOA2949a			
885 SEOA7175a	GLI-Kruppel family member GLI3 (Greig cephalopolysyndactyly syndrome) (GLI3)	gi4504014	5
ncr7328			
ncrb7454			
FCR1345			
mioa9690			
886 miob4673	TATA element modulatory factor	L01042.1	5
SEOA0450			
SEOB0030			
seob3942			
mioa7652a			
887 MIOA2970a	two-handed zinc finger protein ZEB	U19969	5
SEOA0774			
SEOA2665			
seob6046			
ncr5431			
888 SEOA6598a	XAGL protein	Y15906.1	5
SEOB3291			
MIOA6244a			
SEOA0271			
SEOA1804a			
889 FCR1153N	zinc finger protein 262 (ZNF262) (=AB007885 KIAA0425)	gi4827068	5
MIOA4334a			
hfc08010			
FCR0324			
FCR1149			
890 miob3421	zinc finger protein 84 (HPF2) (ZNF84)	NM_003428.1	5
ncrb7843			
ncr2550			
SEOA0940			
FCR1879N			
891 MIOA6582a	heterogeneous nuclear ribonucleoprotein H1 (H) (HNRPH1)	NM_005520.1	5

Figure 6A - Continued

hfc1431			
ncr8977			
ncrc7132			
ncrc0189			
892 SEOB3172	Polyadenylate binding protein	U75686.1	5
MIOB2796			
FCR2203			
ncrc2424			
MIOA8346			
893 MIOA3379a	spliceosomal protein SAP 155	AF054284	5
FCR7200			
fcrb1620			
fcrb1952			
MIOA8120			
894 SEOB0843a	splicing factor (CC1.4)	L10911.1	5
miob1250			
seob6015			
FCR2092			
mioa0457m			
895 hfc8647	Splicing factor proline/glutamine rich (polypyrimidine tract-NM_005066.1 binding protein-associated)(SFPQ)		5
ncr1747			
SEOA2402a			
SEOA4148a			
MIOA0494			
896 SEOB0872a	RNA polymerase II subunit hsRPB7	U20659.1	5
FCR1541			
MIOA3835			
FCR0425			
897 MIOA0249a	lymphocyte activation-associated protein	AF123320.1	5
MIOA5500a			
SEOA1670a			
ncr4013			
ncrc8851			
898 SEOA8227	heat shock 60kD protein 1 (chaperonin) (HSPD1)	NM_002156.1	5
SOA0642			
ncrc0092			
ncr7531			
ncrb7423			
899 SEOA9373	lysosomal-associated membrane protein 2 (LAMP2), transCRipt variant LAMP2B = U36336.1	NM_013995.1	5
ncrb4102			
ncrc1243			
ncrb0860			
ncrb3144			
900 FCR7026	beta-COP	X82103	5
SEOA2153n			
SEOA2872			
SEOA6572a			
mioa2153m			
901 seob4075	RAD23 (S. cerevisiae) homolog B (RAD23B)	NM_002874.1	5
seob6294			
ncrb1466			
SEOA4715a			
miob4832			
902 MIOA3343a	t-complex polypeptide 1	X52882	5
SEOA1490n			
SEOB2738			
hfc3743			

## Figure 6A - Continued

903	MIOA6835a seob6680	xeroderma pigmentosum group E UV-damaged DNA binding factor = NM_001923.1 damage-specific DNA binding protein 1 (127kD) (DDB1)	U32986.1	5
	hfc2128 hfc4347 ncr0079 fcrb0148			
904	seob7432 MIOA0680 SEOA8222 seoa7872a MIOA7002a	CGI-121 protein (LOC51002)	NM_016058.1	5
905	miob3474	restin (Reed-Steinberg cell-expressed intermediate filament-associated protein) (RSN)	NM_002956.1	5
	SEOB3358 ncrb3271 MIOA6637a seob3980			
906	hfc7656	sarcoglycan, beta (43kD dystrophin-associated glycoprotein) (SGCB)	NM_000232.1	5
	ncr5089 MIOA0473 FCR7007 miob5022			
907	SEOB0201 seoa6941 SEOB0615 SEOB1500 seoa6941	Actinin-alpha	X55187.1	5
908	FCR6312 fcrb1979 ncrc9637 SEOA4298a ncrb7746	cytoplasmic beta-actin	M10277	5
909	ncr0660 ncr1920 ncr6593 SEOB2739 SEOA2326a	MEMA protein	Y09703.1	5
910	hfc0229 hfc1416 ncr4518 ncrc6331 ncr1215	moesin (MSN)	NM_002444.1	5
911	seob7050	tubulin-specific chaperone a (TBCA) (=AF038952 cofactor A protein)	gi4759211	5
	hfc5211 miob0665 ncr8760 FCR1791			
912	SEOA1039a FCR3060 ncr2272 SEOA4871a SEOA6197a	myosin class I, myh-1c	AJ001382	5
913	SEOA2962a hfc8018 SEOB1386	oligodendrocyte myelin glycoprotein (OMG)	L05367	5

## Figure 6A - Continued

SEOB2965 miob4130 914 MIOA6567a seob2592 seob7091 ncrc9173 hfc0572 915 hfc2930	activin A receptor, type I (ACVR1) =Z22534 ALK-2	NM_001105.1	5
hfc6285 hfc9092 hfc9943 hfc5768 916 ncr5570 SEOB1673 ncr6160 ncrb1890 ncrb1399 917 SEOA1452a hfc8398 MIOA3353a MIOA6080a SEOA5436 918 hfc4645 ncr2586 ncrc6717 ncr8282 ncr8596 919 MIOA6240a miob1106 fcrb1065 hfc1360 seob6482 920 SEOB3565	CD81 antigen (target of antiproliferative antibody 1) (CD81)	NM_004356.1	5
MIOA4017a MIOA4029a SEOB1728 SEOB2282 921 MIOA2989a fcrb1230 FCR5791 FCR7610 FCR7043 922 HFCR3073	CDA14 (RefSeq aa 2e-31)	NP_057654.1	5
ncrb2451 ncrc6530 mioa7852 ncrb0938 923 seob5636 mioa9975n ncr2029 ncrb8166 ncrb3200 924 FCR1150 FCR1439 fcrb0036 hfc1066	mannose 6-phosphate receptor, 46 kD (MPR46)	X56257	5
	secreted frizzled-related protein 1 (SFRP1)	NM_003012.2	5
	calcineurin A2	M29551	5
	activin beta-A subunit (=cDNA FLJ11041 fis, clone PLACE1004405, dbj AK001903.1)	X57580.1	5
	insuline-like growth factor II receptor	Y00285	5
	calcium modulating cyclophilin ligand CAMLG (CAMLG)	AF068179.1	5
	polycystic kidney disease 2 (autosomal dominant)	NM_000297.1	5
	Thy-1 glycoprotein	M11749	5



## Figure 6A - Continued

hfc9844			
925 SEOA1598a	histone (H2A.Z)	M37583	5
SEOA2071			
SEOA3584a			
SEOA8663			
SEOB0302			
926 SEOA3038a	histone H4	X67081	5
SEOA8274			
SEOB3417			
SEOA5174a			
SEOB3496			
927 SEOA1036a	M-phase phosphoprotein homologue	AF100742.1	5
mioa1179m			
ncrc1481			
ncrc6888			
SEOA9015			
928 miob3353	cell division cycle 27 (CDC27)	NM_001256.1	5
ncrb8596			
ncrc4734			
ncrb0931			
ncr8473			
929 SEOA2686	GTP-binding protein (RAB1)	M28209	5
SEOA5900			
SEOB0519			
SEOB0848a			
ncrb4232			
930 SEOB0266	prefoldin 4 (PFDN4)	gi4505740	5
SEOB1380			
seob8345			
seob3710			
fcrb2507			
931 hfc92031	replication factor C (activator 1) 1 (145kD) (RFC1) mRNA	NM_002913.1	5
fcrb1448			
hfc93951			
ncr5662			
seob6711			
932 seob7530	replication protein A3 (14kD) (RPA3)	NM_002947.1	5
SEOA9664			
ncrb4699			
miob3118			
MIOA1632a			
933 SEOA5363	anaphase promoting complex subunit 10	AF132794.1	5
MIOA8020a			
miob4601			
seoa2072n			
ncrc0511			
934 seob6041	KIAA0075	D38550.1	5
seob6721			
ncr0235			
ncr8546			
ncrc0805			
935 miob3357	KIAA0336 gene	NM_014635.1	5
SEOA3575a			
SEOA9442			
ncrc1701			
ncr3168			
936 SEOB3332	KIAA0527	AB011099.1	5
ncrb2010			

Figure 6A - Continued

ncr0181			
ncrb2761			
hfc6936			
937 MIOA7110a	KIAA0573	AB011145	5
MIOA5841a			
seob4605			
MIOA6981a			
ncr5995			
938 MIOA8187	KIAA0610	AB011182	5
ncrb0760			
SEOA9885			
mioa9806			
ncrb7611			
939 MIOA8150	KIAA0810	AB018353.1	5
FCR5072			
SOA0541			
fcrb0052			
ncrc7092			
940 SEOA3229	KIAA1073	AB028996.1	5
seob8276			
MIOA2622			
seob5549			
fcrb2485			
941 SEOA4795a	PTD011	AF078864	5
SEOA4696a			
seob6588			
mioa9986n			
ncrc9169			
942 seob5816	retrovirus-related hypothetical protein II (=X52235 ORFII)	S23650	5
ncr2476			
hfc3582			
ncrc5313			
ncrc9280			
943 miob6539	SRY (sex-determining region Y)-box 5 (SOX5)	NM_006940.1	5
ncr9940			
SEOB0547			
miob6467			
ncr8610			
944 hfc1635	YEA1 (YY1 and E4TF1 associated factor 1)	AB029551.1	5
hfc0259			
ncr8659			
miob2469			
ncrb3975			
945 MIOA4476a	glucan (1,4-alpha-), branching enzyme 1(ORF)(glycogen branching enzyme, Andersendisease, glycogen storage disease type IV) (GBE1) mRNA	NM_000158.1	5
ncr4621			
MIOA0866a			
ncrc2689			
seob2328			
946 FCR4786	hexokinase 1 (HK1) (=AF016365;X66957)	M75126	5
FCR2081			
hfc1560			
ncrc7023			
miob6814			
947 hfc0854	fatty acid binding protein 5 (psoriasis-associated) (FABP5)	NM_001444.1	5

## Figure 6A - Continued

miob3808			
miob3872			
fcrb1839			
ncrc6545			
948 SEOA5382	oxysterol-binding protein	AB017026	5
ncr4604			
ncrc3763			
CR0972			
mioa7803a			
949 SEOA9689	ubiquinol-cytochrome c reductase core protein II (UQCRC2)(ORF) = J04973.1	NM_003366.1	5
ncrb1517			
fcrb2547			
fcrb1652			
MIOA5686			
950 miob4933	amino acid transporter system A (ATA2) (=AB037803.1 Human KIAA1382)	AF249673.1	5
ncrb4302			
ncrc4129			
ncrc8971			
miob2459n			
951 miob3461	Arginine-rich protein (ARP)	NM_006010.1	5
SEOA1404			
SEOA2761			
seob4794			
FCR4366			
952 FCR4614	translation initiation factor (=D21853 hypothetical protein (KIAA0111))	X79538	5
seob4065			
ncrb2933			
ncr8144			
SEOA5762			
953 ncrb6073	proteasome (prosome macropain) beta type, 4 (PSMB4)	NM_002796.1	5
ncr5742			
ncrb5044			
ncrc0383			
hfc7775			
954 ncr2459	proteasome (prosome, macropain) 26Ssubunit, ATPase, 2 (RefSeq aa 2e-60)	NP_002794.1	5
ncrb4777			
ncrc0393			
ncrb0874			
ncrc4306			
955 hfc7789	PEX10 peroxisome biogenesis factor (peroxin) 10	AB013818.1	5
hfc7838			
hfc7583			
hfc6369			
hfc7746			
956 miob3432	DNA-dependent protein kinase catalytic subunit (DNA- PKcs)	U47077.3	5
FCR2419			
hfc0091			
hfc0187			
ncrc2069			
957 ncr0191	putative translation initiation factor(RefSeq aa 4e-60)	NP_005792.1	5
ncrc1497			
ncr9515			
ncrc5247			

## Figure 6A - Continued

ncrb0845			
958 SEOA8909	transcription factor forkhead-like 7 (FKHL7) gene	AF048693.1	5
ncr8743			
ncrc6499			
seoa3411an			
ncr5767			
959 miob6536	polyadenylate binding protein-interacting protein 1 (PAIP1)	NM_006451.1	5
ncr6059			
MIOA0610a			
SEOB2022			
MIOA4819a			
960 MIOA9116	protein-L-isoaspartate (D-aspartate) O-methyltransferase (PCMT1) (ORF)	NM_005389.1	5
MIOA4416			
MIOA4229			
seob5195			
SEOB0995			
961 SEOA1263A	CGI-130 protein	AF151888.1	5
MIOA7147a			
ncrc0669			
seob5114			
ncrc6087			
962 fcrb0359	endocytic receptor (macrophage mannose receptor family) (KIAA0709)	NM_006039.1	5
hfcr7365			
FCR7329			
FCR0763			
hfcr9673			
963 ncr3040	glucocorticoid receptor AF-1 specific elongation factor	AF174496.1	5
hfcr2596			
hfcr7725			
hfcr9501			
ncrb2809			
964 ncrb4015	thrombospondin 3 (THBS3) (RefSeq aa 3e-59)	NP_009043.1	5
ncrc0916			
ncrc9269			
BFCW0093			
ncrb1422			
965 SEOA3359a	cyclin G2	U47414	5
seob6850			
seob5669			
ncrc0847			
MIOA1214			
966 hfcr9341	nucleolar phosphoprotein p130 (P130)	NM_004741.1	5
ncrb8204			
hfcr9909			
ncrb2496			
ncrb6576			
967 seob4861	polymerase (RNA) II polypeptide G (POLR2G)	NM_002696.1	5
ncr3951			
ncrb4402			
ncrc3632			
hfcr6670			
968 SEOA4647a	KIAA0433 (ORF)	AB007893	5
seob4659			
ncrb5017			
ncrc2472			

## Figure 6A - Continued

ncrb7696 969 SEOA3403a MIOA2700a SEOA9256 ncrc1525 MIOA3685a	KIAA0729	AB018272.1	5
970 MIOA5085a seob6448 SEOA8605 SEOA9184 SEOB1330	KIAA1038	AB028961	5
971 seob5899 hfcr7047 ncrc0096 seoa6809 MIOA6252a	KIAA1058 protein	AB028981.1	5
972 miob2885	lipoma preferred partner (LPP) gene, exon 11, and complete cds	U49968.1	5
ncrb1827 MIOA2261a MIOA8676 ncrb2063			
973 ncr6292 ncrc4076 FCR6998 SEOA2744 SOA0156	prostate cancer tumor suppressor (N33)	NM_006765.1	5
974 MIOA1277m ncrb7903 mioa7768a ncrc5303 MIOA2998a	protein S alpha gene (PROS1)	M36564	5
975 ncrb2170 miob1331 ncrc2043 ncrc2250 seob5092	NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 4L	spP03901	5
976 fcrb1296 hfcr2940 hfcr6380 hfcr7585 hfcr1124	ribosomal protein L36 60S	AF077043	5
977 seoa7970	peptidylprolyl isomerase A (cyclophilin A) (PPIA), mRNA /cds=(44,541) /gb=NM_021130 /gi=10863926 /ug=Hs.342389 /len=753	Hs.342389	5
fcrb1523 ncrc3978 ncrb6939 ncrb3852			
978 hfcr1137 hfcr6029 hfcr1926 BFCN0055 BFCS0338	calpobindin II= ANNEXIN VI	D00510.1	5
979 SEOA4786a BFCS0547 FCR4007 hfcr0309	thioredoxin peroxidase (antioxidant enzyme) (AOE372) =U25182(ORF)	NM_006406.1	5

Figure 6A - Continued

mioa9868			
980 SEOB1208	cytoskeletal tropomyosin TM30(nm)	X04588.1	5
hfc3733			
miob1829			
ncrc2948			
ncrc2948			
981 seob7952	LIV-1 protein, estrogen regulated (LIV-1) (=U41060)	7106340	5
ncr4456			
ncrc3489			
seoa5764n			
MIOA2303a			
982 ncr2398	dehydrogenase subunit 4 (RefSeq aa 3e-34)	gi5835397	5
ncrb2245			
ncrc6897			
ncrc4303			
ncrc5033			
983 seoa7828a	phosphoglycerate mutase 1 (brain) (PGAM1), mRNA /cds=(31,795) /gb=NM_002629 /gi=4505752 /ug=Hs.181013 /len=1709	Hs.181013	5
seob3893			
hfc2965			
hfc6961			
ncrc3529			
984 MIOA8512	ribosomal RNA 16S gene	AF036006.1	5
MIOA4182			
SEOA4718a			
MIOA8748			
MIOA2521a			
985 MIOA2140	Zn-15 transCRiption factor (Zfp-15) (=AB011102 Human KIAA0530)	AF017806	5
hfc1387			
hfc6412			
ncrc4835			
ncrc9880			
986 SEOA0207a	tetraspan TM4SF(TSPAN-6)	AF053453	5
SEOB3143			
SOA0692			
ncrc0994			
FCR4382			
987 seoa7989	CGI-119 protein (LOC51643), mRNA /cds=(0,776) /gb=NM_016056 /gi=7706334 /ug=Hs.283670 /len=1325	Hs.283670	5
SEOA5994a			
seob4211			
ncr0918			
ncrb8318			
988 ncr9440	laminin, gamma 1 (formerly LAMB2) (LAMC1),	NM_002293.2	5
ncr9836			
ncrc5436			
hfc9622			
ncr4986			
989 SEOA1084a	Rosenthal fiber protein (alpha-B-Crystallin)	M24906	5
hfc8407			
MIOA8863			
SEOA8910			
ncrb4960			
990 ncrb3501	BPTF mRNA for bromodomain PHD finger transcription factor	AB032251.1	5
MIOA5865a			

## Figure 6A - Continued

seob6773				
seob6773				
ncrb3501				
991 fcrb1995	nucleosome assembly protein 1-like 1 (NAP1L1)	XM_047969.1	5	
hfc9031				
ncrc4352				
hfc4145				
mioa9276				
992 BFCS0082	alpha subunit of GsGTP binding protein (GSA)	X56009	4	
MIOA0908a				
SEOA6088a				
SEOA8565				
993 hfc9219	ring finger protein 4 (RNF4)	gi4506560	4	
miob2423				
ncr2309				
SEOA7126a				
994 ncrb8000	small nuclear ribonucleoprotein polypeptide E (SNRPE)	NM_003094.1	4	
seob3882				
seob5185				
seob6504				
995 BFCN0168n	ATP synthase, H transporting, mitochondrial F0 complex, subunit b, isoform 1 (ATP5F1), nuclear gene encoding mitochondrial	NM_001688.1	4	
hfc1792				
hfc1913				
seob6758				
996 miob0788	capping protein (actin filament) muscle Z-line, alpha 2 (CAPZA2)	NM_006136.1	4	
ncr3673				
ncr9659				
FCR5257				
997 MIOA6719a	TSE1=protein kinase A regulatory subunit	S54711	4	
ncr7808				
ncrc0368				
SEOA7256a				
998 fcrb2525	proteasome (prosome, maCRopain) subunit, beta type, 3 (PSMB3)	NM_002795.1	4	
miob4255				
SEOA4778a				
SEOB2077				
999 miob5855	Hmob33 protein	Y14155.1	4	
SEOA5493a				
SEOA4865a				
SEOA9955				
1000 miob3743	transmembrane 9 superfamily member 2 (TM9SF2)	NM_004800.1	4	
miob4015				
miob6313				
hfc0530				
1001 MIOA1979a	procollagen C-proteinase enhancer protein, type 1	AB008549	4	
FCR0282				
FCR5320				
FCR5788				
1002 MIOA6232a	differentiated embryo chondrocyte expressed gene 1 (DEC1)	AB004066	4	
MIOA0951				
MIOA6248a				
FCR6785				
1003 seob7374	trinucleotide repeat containing 3 (TNRC3)	NM_005878.1	4	

Figure 6A - Continued

seob7374			
ncr0987			
seob4486			
1004 FCR2210	MHC class I (HLA-A)	U59701	4
FCR6319			
fcrb0607			
ncrb3867			
1005 miob5816	glutathione S-transferase M3 (brain) (GSTM3)	NM_000849.1	4
ncr3709			
ncr4846			
SEOA9777			
SEOB1507			
1006 SEOA8892	muscle specific gene M9 (=PTD001)	BAA76626.1	4
ncrc5079			
ncr5409			
ncrc2273			
1007 SEOB2128	platelet-derived growth factor receptor-like (PDGFRL)	NM_006207.1	4
ncrc4226			
SEOB3537			
ncr0788			
1008 SEOA2272a	COBW-like placental protein	AF065414	4
SEOA6186a			
SEOA6600a			
SOA0487			
1009 MIOA7353a	SUMO-1-specific protease (KIAA0797)	NM_015571.1	4
ncrb1915			
ncrb7655			
SEOA7647a			
1010 SEOB2939	p58/GTA (galactosyltransferase associated protein kinase)	M37712.1	4
miob5963			
ncr3302			
ncr8294			
1011 miob3470	lysophospholipase I (LYPLA1)	NM_006330.1	4
miob5653			
seob6895			
seoa6774			
1012 hfc6935	proteasome (prosome, macropain) subunit, beta type, 7 (PSMB7)	NM_002799.1	4
ncr8803			
ncrc4629			
hfc6045			
1013 MIOA9179	chaperonin containing TCP1, subunit 8 (theta) (CCT8)(ORF)	NM_006585.1	4
fcrb0255			
ncr8487			
ncr7514			
1014 ncr6619	Sec23 (S. cerevisiae) homolog A (RefSeq aa 5e-49)	NP_006355.1	4
ncrb3776			
MIOA8932			
MIOA0145			
1015 SEOB3151	Translocon associated protein gamma subunit	spQ9UNL2	4
MIOA2365a			
MIOA4299a			
MIOA4696			
1016 SEOA5376	nuclear factor (erythroid-derived 2)-like 2 (NFE2L2) (=S74017 Nrf2=NF-E2-like basic leucine zipper transCRiptional activator)	gi5453775	4
ncrc4728			



## Figure 6A - Continued

seob3867 hfc0580 1017 SEOA5094a	RAP1A, member of RAS oncogene family (RAP1A) =M22995	NM_002884.1	4
ncrb0737 ncrc1102 SEOA8980 1018 SEOA0782 SEOA0782 SEOA3822a seob7087	RNaseP protein p30 (RPP30)	U77665	4
1019 hfc0749 hfc1214 hfc7846 hfc3385	glutathione S-transferase P1c (GSTp1c)	U62589.1	4
1020 FCR1760 hfc0042 CR0929 FCR1760	collagen type XV alpha 1 (COL15A1)	L25280	4
1021 seob6878 ncrb7571 miob6314 hfc7868	myosin-binding protein C, cardiac (MYBPC3)	NM_000256.1	4
1022 miob5891 miob1802 miob5891 SEOA5279a	secreted frizzled-related protein 4 (SFRP4)	NM_003014.2	4
1023 seob6026 CR0881 ncrc5783 seob3984	IQ motif containing GTPase activating protein 1 (IQGAP1)	NM_003870.1	4
1024 MIOA4606a ncrb2429 ncr3698 MIOA4606a	cadherin 13,H-cadherin (heart) (CDH13)	NM_001257.1	4
1025 ncr4104 ncr8167 ncrc1896 ncrc9916	Death associated protein 3 (DAP3)	NM_004632.1	4
1026 FCR5181 FCR7091 miob1823 ncrc6521	enhancer of polycomb (Epc1)	AF079765	4
1027 miob4308 ncrb4088 seoa8164 MIOA4156	mesenchyme homeo box 2 (growth arrest-specific homeo box) (MEOX2)	NM_005924.1	4
1028 hfc2295 hfc7363 hfc1410 hfc9399	nucleolar autoantigen	NM_006455.1	4
1029 hfc9794 miob4207 mioa9196 MIOA4365a	ADP/ATP carrier protein(ANT-2) gene	L78810.1	4
1030 hfc5030 ncrc9563	S100 calcium-binding protein, beta (neural) (S100B)	NM_006272.1	4

## Figure 6A - Continued

ncr8921 ncrc3918 1031 hfc2781 hfc6915 hfc9035 hfc3583 1032 ncrb7726	3-phosphoglycerate dehydrogenase (PGAD)	NM_006623.1	4
ncrb1972 ncrc1684 ncrc4497 1033 SEOB3545 FCR0010 SEOA0390 SEOB0161 1034 ncr3118 ncr2084 ncr6759 seoa7711a 1035 FCR0141 ncr3193 ncr6161 ncr8874 1036 ncrb5117	phosphoinositol 3-phosphate binding protein-1 (PEPP1)	NM_020904.1	4
FCR4629 seob5984 MIOA1729a 1037 MIOA0187n ncrb3156 FCR2960 MIOA6118a 1038 FCR5799	Dimethyladenosine transferase (HSA9761)	NM_014473.1	4
mioa1216m hfc6843 FCR5799 1039 SEOB1100	fatty-acid-Coenzyme A ligase, long-chain 4 (FACL4)	NM_004458.1	4
seob4452 SEOA3565a hfc6774 1040 miob5751	phosphatidic acid phosphatase 2b (PPAP2B)	AB000889	4
SEOA9522 mioa9883 hfc8666 1041 ncr0531 ncrc4524 ncrc5060 ncrb3339 1042 SEOB2987 hfc1740 hfc0161 fcr4791 1043 miob3496 ncr1348 ncrb3793	ATP synthase, H transporting, mitochondrial F0 complex, subunit f, isoform 2 (ATP5J2)	NM_004889.1	4
	cytochrome c oxidase subunit Vb (coxVb)	M19961	4
	methylenetetrahydrofolate dehydrogenase-methenyltetrahydrofolate cyclohydrolase-formyltetrahydrofolate synthetase	J04031	4
	methyl-CpG binding domain protein 2 (MBD2), transCRIpt variant 1	gi7710146	4
	proteasome (prosome, macropain) subunit, alpha type, 2 (PSMA2)	NM_002787.1	4
	hypoxia-inducible protein 2 (HIG2)	NM_013332.1	4
	CAAX box 1 (CXX1)	fi4503180	4
	forkhead box O1A (rhabdomyosarcoma) (FOXO1A)	NM_002015.1	4



## Figure 6A - Continued

1057	SEOA8621 ncr0540 seob4453 ncrb8273	ARFGAP1 protein (ARFGAP1)	AF111847.1	4
1058	FCR0843 fcrb0184 ncrb5341 ncr1519	gelsolin, plasma (GSN)	X04412	4
1059	MIOA1496  SEOB2205 hfc0817 ncrb7822	integrin cytoplasmic domain associated protein (Icap-1a)	AF012023	4
1060	ncr3577  hfc6620 ncrb0140 miob1937	integrin, alpha E (antigen CD103, human mucosal lymphocyte antigen 1; alpha polypeptide) (ITGAE)	NM_002208.3	4
1061	SEOA1570 SEOA3813a seob8077 seob5974	acidic 82 kDa protein	U15552	4
1062	MIOA0702 SEOA2618 ncrc9603 ncrb0353	BUP	AF078848.1	4
1063	hfc9012 ncrb7387 ncrb0755 hfc6372	C90RF3	AF043897.1	4
1064	hfc2985 SEOA2838 ncrc3925 ncr1985	chondrosarcoma-associated protein 2 (CSA2)	AF182645.1	4
1065	SEOA2244a SEOA6347 SEOB0026 hfc1413	density regulated protein drp1	AF038554.1	4
1066	SEOA7652a SEOA8743 SEOB1618 SEOB0100	E2IG5	AF191020	4
1067	hfc8004 ncrb3537 ncrc9709 seob5876	housekeeping (Q1Z 7F5) gene	M81806.1	4
1068	SEOA1634a seob5807 SEOA2468 MIOA7003a	HSPC039 protein	AF125100.1	4
1069	SEOB1372 seob5042 seob7556 ncrc0379	HSPC139	AF161488.1	4
1070	SEOA8738 MIOA3498a seob7218 mioa9740	HSPC213 (=HSPC327)	AAF36133.1	4
1071	SEOA8443	KIAA0022	BAA03498.1	4

## Figure 6A - Continued

ncrb1276			
ncrc2379			
seoa7007			
1072 SEOB1790	KIAA0136	D50926.1	4
fcf6367			
ncrc2635			
hfcf4061			
1073 SEOB0336	KIAA0232	D86985.2	4
seob2007			
hfcf3752			
seob7630			
1074 MIOA1427	KIAA0235	D87078	4
hfcf2661			
SEOA6644a			
ncr0584			
1075 FCR3483	KIAA0251	D87438	4
hfcf8988			
ncr4878			
fcfb2664			
1076 SEOA5822	KIAA0252	D87440	4
FCR3576			
SEOA4106a			
ncrb7232			
1077 MIOA1584	KIAA0256	D87445	4
MIOA6654a			
SEOA3232			
ncr4989			
1078 SEOA2876	KIAA0276	D87466	4
ncrc3700			
mioa7937			
miob2655n			
1079 MIOA3367a	KIAA0429	AB007889	4
ncr8149			
MIOA3367a			
miob6509			
1080 miob2900	KIAA0477	AB007946.1	4
ncr7762			
ncrc3451			
ncrc4575			
1081 FCR6140	KIAA0660	AB014560	4
MIOA3696a			
hfcf0032			
hfcf0128			
1082 SEOB3216	KIAA0671	AB014571.1	4
fcf6212			
ncr9818			
ncrb1208			
1083 SEOA7373a	KIAA0693	AB014593	4
seob1717			
FCR0856			
ncrb8404			
1084 MIOA2506a	KIAA0971	AB023188.1	4
MIOA7027a			
ncrc6382			
ncrb2949			
1085 SEOB1818	KIAA1102	AB029025.1	4
MIOA6432a			
MIOA6509a			
ncrc4203			

Figure 6A - Continued

1086	ncr0004 hfc1332 ncr5689 ncr2566	KIAA1354	AB037775	4
1087	seob5075 ncr8350 ncrc2654 fcrb0348	KIAA1376 protein	AB037797.1	4
1088	miob6254 mioa9487 seob0423 ncrc6205	KIAA1380 protein	AB037801.1	4
1089	seob3887 seob7151 seob5741 SEOA9405	KIAA1451 protein	AB040884	4
1090	seob5193 ncrb0832 ncrb7012 ncrb8679	mesenchymal stem cell protein DSC92 (LOC51335)	NM_016645.1	4
1091	SEOB0787a SEOA7579a ncr8623 FCR0561	nickel-specific induction protein (Cap43)	AF004162.1	4
1092	MIOA2708a MIOA6100a ncr6005 ncrb5380	NifU-like protein (hNifU)	U47101	4
1093	seob6153 MIOA2281a seob8328 SEOA5225a	Nuclear antigen Sp100 (SP100)	NM_003113.1	4
1094	seob4165 seob6396 fcrb1507 ncrb5448	PRO1608	AF119850.1	4
1095	seob4766 SEOB1182 hfc3014 hfc9711	PRO1828	AF116669.1	4
1096	SEOA0174a SEOA8526 ncr0799 miob2392	promyelocytic leukemia cell	M11948	4
1097	seob7535  ncrc9914 SEOA9158 ncr3893	squamous cell carcinoma antigen recognized by T cell (SART-2)	NM_013352.1	4
1098	SEOA3635a ncr2812 SEOA9926 ncrb8258	STAT-induced STAT inhibitor-2	AF037989	4
1099	MIOA1055 MIOA1497 miob0763 ncrb5818	vesicle transport-related protein	AF110646.1	4
1100	SEOA0101 seob8330	phosphoglucomutase 1 (PGM1)	M83088	4

## Figure 6A - Continued

ncrb8433 miob5035			
1101 SEOA2178a BFCW0511 BFCN0119 FCR0473	transaldolase	L19437.2	4
1102 seob3720 MIOA8818 seoa4632a ncrb0779	nucleotide binding protein, estradiol-induced (E2IG3)	NM_014366.1	4
1103 seob6812 ncr6586 miob3659 ncrc9956	PDNP1 gene (nucleotide pyrophosphatase)	AF110304.1	4
1104 SEOB1850 ncr3705 FCR5628 MIOB2115	phosphoribosyl pyrophosphate synthetase subunit I	D00860.1	4
1105 SEOA1883 SEOA7342a SEOB1518 hfcr9173	dihydrolipoamide dehydrogenase	J03620	4
1106 hfcr9483 FCR4608 hfcr3547 MIOA1314a	lecithin-cholesterol acyltransferase (LCAT)	X04981.1	4
1107 seob5903  miob0716 miob6852 mioa7740a	phosphatase 1, catalytic subunit, gamma isoform (PPP1CC) mRNA	NM_002710.1	4
1108 SEOA2449a SEOA9065 hfcr9027 ncrb2467	phospholipid sCRamblase 1 PLSCR1)	AF098642	4
1109 hfcr3473 miob4014 ncr2181 ncr7002	serine palmitoyl transferase	AF111168.2	4
1110 SEOB3194  hfcr0686 ncrc5752 seob7313	cytochrome oxidase subunit I (COI) and subunit II (COII) pseudogenes	AF035429.1	4
1111 SEOB0876a	cytochrome-c oxidase subunit VIIaL precursor (COX7AL)	AF134406.1	4
miob5066 SEOB1071 seob8323			
1112 FCR1185N hfcr5439 hfcr6638 hfcr6877	electron-transfer-flavoprotein, beta polypeptide (ETFB)	X71129	4
1113 seob7229 FCR0297 ncr0301 ncr3740	NADH-ubiquinone oxidoreductase B17	AF067167.1	4
1114 hfcr0609	ubiquinol-cytochrome c reductase (6.4kD) subunit (UQCR)	NM_006830.1	4

## Figure 6A - Continued

hfc0838			
miob7000			
ncrb4771			
1115 seob5537	acidic protein rich in leucines (SSP29)	NM_006401.1	4
hfc4529			
SEOB1568			
hfc1855			
1116 SEOB1285	Lysyl tRNA Synthetase	D32053.1	4
hfc0906			
SEOA8911			
mioa9368			
1117 SEOA5683a	methionine aminopeptidase	U29607	4
SEOB0925			
ncr1244			
ncrc4732			
1118 hfc9551	eIF4E-like cap-binding protein (4EHP) (=translation initiation factor 4e )	NM_004846.1	4
ncrb2929			
FCR5472			
FCR6862			
1119 MIOA6698a	proteasome-associated pad1 homologue (POH1) 26S	U86782	4
FCR1456			
FCR5999			
ncrb8059			
1120 SEOB1862	wbsCR1 (WBSCR1)	AF045555.1	4
miob3164			
ncrb2299			
FCR0177			
1121 ncr8542	basic transcription factor 3 (RefSeq aa 4e-39)	NP_001198.1	4
ncrc9612			
fcrb1809			
mioa7814a			
1122 miob4121	isolate 5 12S ribosomal RNA gene	AF121220.1	4
ncr2634			
ncr2691			
ncr6800			
1123 SEOA1535	cathepsin F (CATSF)	AF071749	4
hfc6784			
hfc7763			
ncr2797			
1124 SEOA2974a	metalloproteinase inhibitor TIMP-2	AF127803.1	4
SEOA3922			
SEOA2833n			
MIOA1634a			
1125 ncr0018	protease inhibitor 6 (placental thrombin inhibitor) (PI6)	NM_004568.1	4
ncrb6780			
ncrc4294			
ncr8856			
1126 seob5673	proteasome (prosome, macropain) subunit, alpha type, 3 (PSMA3)	NM_002788.1	4
hfc6658			
miob0430			
ncr3191			
1127 MIOA7415a	proteasome subunit Y (=X61971 maCRopain subunit delta)	D29012	4
hfc6857			
fcrb2685			
hfc5903			



## Figure 6A - Continued

1128	FCR4315	protein activator of the interferon-induced protein kinase (PACT)	AF072860	4
	MIOA3514a			
	MIOA2449a			
	FCR4836			
1129	ncr9933	peptidylprolyl isomerase F (cyclophilinF) (RefSeq aa 4e-43)	NP_005720.1	4
	ncrc2668			
	ncrc1421			
	ncrc4827			
1130	SEOA6151a	CCAAT/enhancer binding protein (C/EBP), delta (CEBPD)	4885130	4
	ncr7142			
	ncr9376			
	ncrc6489			
1131	hfc3844	CLP (CLPP)	L54057.1	4
	MIOA2031			
	SEOA8290			
	ncrb5197			
1132	FCR5941	necdin	AB007828	4
	FCR6189			
	seob7347			
	seob6905			
1133	ncr7923	oxidoreductase UCPA (RefSeq aa 4e-82)	NP_064524.1	4
	ncrc5548			
	ncrc6369			
	ncrb8378			
1134	miob3965	ring finger protein (C3H2C3 type) 6 (RNF6)	NM_005977.1	4
	soa0078n			
	MIOA5676			
	miob0359			
1135	MIOA0861a	TPRC (=X97124 papillary renal cell carcinoma (translocation-associated) (PRCC))	X99720	4
	SEOA5721a			
	SEOA6715			
	hfc6292			
1136	SEOA9740	trinucleotide repeat DNA binding protein p20-CGGBP (CGGBP) gene, complete cds	AF094481	4
	ncr9347			
	SEOA9296			
	seob7984			
1137	SEOA9205	twist gene	Y10871.1	4
	ncr1900			
	ncrb7616			
	SEOB1508			
1138	ncr0122	Zinc finger protein expressed in cerebellum (KF1) (ORF)	NM_005667.1	4
	ncrc9689			
	miob0764			
	MIOB2194			
1139	ncr5473	glycyl-tRNA synthetase; glycine tRNA ligase (RefSeq aa 1e-45)	NP_002038.1	4
	ncrb2042			
	ncr8589			
	fcrb2029			
1140	ncrb2606	heterogeneous nuclear ribonucleoprotein H3 (2H9) (HNRPH3) (=hnRNP 2H9B)	NM_021644.1	4
	ncrc0972			
	seoa6759			

## Figure 6A - Continued

seoa6997			
1141 MIOA1680a	heterogenous nuclear RNA W16W	X17272	4
MIOA1824a			
MIOA5606a			
MIOA7566a			
1142 ncr9744	nuclear matrix protein 55	U89867.1	4
seob5773			
seob3645			
miob0644			
1143 SEOA5552a	RNA binding motif protein 3 (RBM3) (=U28686)	5803136	4
SEOA7601a			
hfc8381			
mioa1031m			
1144 hfc8599	RNA binding motif protein 5 (RBM5)	AF091263.1	4
FCR2969			
FCR3571			
ncrb5063			
1145 SEOA5292a	snRNP protein B	X17567	4
FCR5804			
FCR6227			
1146 hfc80852	splicing factor 3b, subunit 2, 145kD (SF3B2)	NM_006842.1	4
fcrb2597			
ncrb3349			
ncrb6065			
1147 hfc8573	splicing factor, arginine/serine-rich 4 (SFRS4)	NM_005626.1	4
hfc9224			
ncrb0457			
ncrc8834			
1148 ncr9539	U13 snRNA pseudogene U13.4B	X58062.1	4
ncrb2116			
ncrb2930			
ncrc4786			
1149 ncr7539	MIL1 protein (MIL1), nuclear gene encoding mitochondrial protein	NM_015367.1	4
ncrb2368			
ncr5372			
ncr7985			
1150 ncr5649	HLA class-I (HLA-A26) heavy chain	D32129.1	4
ncrb4212			
ncrc6304			
ncrb7038			
1151 SEOA9344	antigen identified by monoclonal antibodies 12E7, F21 and O13 (MIC2) mRNA	NM_002414.1	4
hfc7046			
hfc8532			
fcrb2726			
1152 SEOA0024	DNAJ domain-containing protein MCJ (MCJ)	AF126743.1	4
SEOB0477			
SEOA8768			
miob4494			
1153 seob5562	hepatocellular carcinoma-associated antigen 33 (HCA33)	AF244137.1	4
hfc3967			
seob5373			
hfc2047			
FCR6035			
1154 MIOB2720	sperm antigen-36	AF187554.1	4
MIOB2728			
SEOB0422			

## Figure 6A - Continued

SEOB0461 1155 ncr3713	Tax1 (human T-cell leukemia virus type I) binding protein 1 (TAX1BP1)	NM_006024.2	4
seob4022 MIOA5391a ncrb6068 1156 hfcr7576	isolate Liv chaperone protein HSP90 beta (HSP90BETA)	AF275719.1	4
ncr1628 hfcr9685 hfcr3515 1157 seob4493	membrane component, chromosome 11, surface marker 1 (M11S1) = Z48042.1 GPI-anchored protein p137	NM_005898.1	4
FCR2160 fcrb0292 ncr6053 1158 MIOA5461a MIOA7014a MIOA5678 SEOA4798a	putative transmembrane protein E3-16	AF092128.1	4
1159 SEOB3143 SOA0692 ncrc0994 SEOA0207a	tetraspan TM4SF (TSPAN-2)	AF054839.1	4
1160 fcrb1289 ncrb5180 ncrc2192 ncrc4985	coagulation factor XIII, A1 polypeptide (F13A1)	NM_000129.1	4
1161 MIOA3275	platelet-activating factor acetylhydrolase, isoform 1b, alpha subunit (PAFAH1B1)	4557740	4
SEOA9302 hfcr2862 ncr5492 1162 ncr0478 miob4451 ncrb7098 SEOA9837	transferrin receptor (TFRC) gene	AF187320	4
1163 seob7752 ncrb8260 ncrb4731 ncrb4883	divalent cation tolerant protein CUTA (LOC51596)	7706243	4
1164 hfcr8877 ncr9462 ncrb4085 fcrb2755	CGI-120 protein (LOC51644)	NM_016057.1	4
1165 MIOA3913a SEOB0633a ncr7484 ncrc7090	CGI-127 protein	AF151885.1	4
1166 SEOA1104a seob5479 seob7619 ncr0242	CGI-139 protein (=AF078858 PTD003)	AF151897.1	4
1167 ncr3402 ncr6275 hfcr8766 ncrb7509	CGI-31 protein (LOC51075),	NM_015959.1	4
1168 MIOA1354a	CGI-34 protein	AF132968.1	4

Figure 6A - Continued

ncr2920			
SEOB1684			
SEOB0069			
1169 FCR4787	CGI-39 protein	AF132973.1	4
FCR4907			
hfc1748			
hfc5702			
1170 SEOB1526	CGI-74 protein	AF151832.1	4
fcrb1394			
ncrb0152			
ncrb5941			
1171 FCR7318	echinoderm miCRotubule-associated protein homolog HuEMAP	U97018	4
FCR0530			
ncr2601			
hfc0990			
1172 FCR0703	pericentrin (Pcnt)	U05823	4
SEOA1621a			
hfc9768			
seob3743			
1173 hfc4423	MLL septin-like fusion protein MSF-A	AF189713.2	4
fcrb1933			
hfc3572			
fcrb1460			
1174 MIOA6174a	nebulette (NEBL)	Y16241	4
ncrb4408			
ncrc1444			
mioa1032m			
1175 hfc1903	myosin light chain 2	NM_013292.1	4
hfc2804			
hfc6206			
hfc0427			
1176 SEOB0343	coxsackievirus and adenovirus receptor (CXADR)	AF200465.1	4
ncrc2817			
hfc6310			
ncrb4613			
1177 ncrb0207	discoidin domain receptor family, member 2 (DDR2)	NM_006182.1	4
ncrb4907			
ncrc1807			
ncrc5719			
1178 MIOA0252a	epidermal growth factor receptor, precursor	X00588	4
MIOA0358a			
MIOA2796a			
MIOB2699			
1179 SEOA1436a	insulin receptor	L07782	4
hfc6960			
ncr7257			
ncrb5598			
1180 MIOA5411m	leptin receptor (ORF)	U66496	4
contigmar28-29-010038			
FCR5331			
1181 seob5203	microvascular endothelial differentiation gene 1 product	AB026908.1	4
miob3144			
ncr3602			
ncrc0413			
1182 miob4895	vanilloid receptor; CARKL and CTNS; TIP1; P2X5b and P2X5a	AF168787.1	4
fcrb2021			

## Figure 6A - Continued

SEOB2083 hfc9713 1183 seob4090	vitiligo-associated protein VIT-1 (VIT1) (=DKFZp564K2364)	AF264714.1	4
ncrb5355 ncrb7258 miob6367			
1184 seob6413 miob6076 mioa7907 miob6378	epithelial protein lost in neoplasm beta (EPLIN)	NM_016357.1	4
1185 SEOB1895 miob6523 ncrb4912 seob5095	mitogen-activated protein kinase 3 (MAP4K3)	4506376	4
1186 MIOA8361	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor (=p58k protein)	NP_006251.1	4
ncr1109 ncr6899 hfc97713			
1187 SEOA4876a ncrb6843 seob5662 seob6559	ser-thr protein kinase PK428	U59305	4
1188 miob1044	signal transducer and activator of transcription 1, 91kD (STAT1)(=transcription factor ISGF-3)	NM_007315.1	4
hfc6864 hfc9911 ncr7630			
1189 miob6960 seoa7806a mioa8345n ncr3455	angiopoietin-like 1 (ANGPTL1)	NM_004673.1	4
1190 mioa9456	lens epithelium-derived growth factor gene, alternatively spliced, complete cds	AF199339.1	4
MIOB2592 hfc2867 mioa1144			
1191 SEOA3296 ncrc3047 SEOA9733 SEOA4655a	transforming growth factor-beta 3 (TGF-beta 3)	X14891	4
1192 seob5209	uncharacterized hypothalamus protein HARP11 (HARP11)	NM_018477.1	4
MIOB2666 miob1354 hfc7817			
1193 miob3259 hfc1807 seob6355 seob6881	calcium channel alpha1E subunit (CACNA1E) gene	AF223391.1	4
1194 SEOA9620 MIOA2377a ncr2774 miob1812	multiple PDZ domain protein (MPDZ) = AF093419.1	NM_003829.1	4
1195 SEOB2108 seob7602 ncrb3528 ncr0801	heterochromatin-like protein 1 (HECH)	NM_016587.1	4

## Figure 6A - Continued

1196	miob4793 ncr8967 ncr1324 fcrb1680	high-glucose-regulated protein 8 (HGRG8)	AF192968.1	4
1197	ncr3686 SEOA9723 ncr8208 ncrb0878	BM-001 (=cyclin L ania-6a)	AF208843.1	4
1198	ncr3825 hfc3730 ncrb1754 ncr6740	caltractin (20kD calcium-binding protein) (CALT)	NM_004344.1	4
1199	miob5443 MIOA7236a ncrb3013 MIOA4650a	cullin 1 (CUL1)+D1167	AF062536.1	4
1200	ncr3642 SOA0044 fcrb0196 fcrb0276	cyclin D2(=KIAK0002 gene)	NM_001759.1	4
1201	MIOA1343a MIOA6830a miob0891 MIOB2181	M phase phosphoprotein 10	X98494	4
1202	seob8157 hfc9961 ncr1245 ncrb8624	prefoldin 1 (PFDN1)	NM_002622.1	4
1203	FCR4639 MIOA2747a SEOA9360 SEOA5249a	brain cellular apoptosis susceptibility protein (CSE1)	AF053641	4
1204	miob1818 hfc30330 hfc5188 hfc6833	p66shc (SHC)	U73377.1	4
1205	ncr3442 SEOA5351 SEOA1382 ncrc9655	adrenomedullin (ADM)	NM_001124.1	4
1206	ncr0100  seob4996 ncrb3168 ncrb6700	BUB3 (budding uninhibited by benzimidazoles 3, yeast) homolog (BUB3) = AF047472	NM_004725.1	4
1207	SEOB1166 miob0954 fcrb1073 miob3394	proto-oncogene tyrosine-protein kinase (ABL) gene	U07563.1	4
1208	ncr8096 ncrb2661 ncrc2284 seoa8011	tumor endothelial marker 8 (TEM8)	AF279145.1	4
1209	ncrc0194 ncrc6226 ncrc2748 ncrb5121	hypothetical protein (RefSeq aa 5e-76)	NP_057578.1	4
1210	SEOA5909 seob7710	KIAA0206	D86961	4

Figure 6A - Continued

ncrc5564 ncrb3993 1211 FCR4576 SEOA2813 hfc6766 fcrb1501	KIAA0877	AB020684	4
1212 SEOB0228 ncrc5438 hfc8390 SEOA0074	KIAA0993	AB023210.1	4
1213 hfc0713 miob4106 hfc6183 fcrb2020	KIAA1436 protein	AB037857.1	4
1214 seoa7793a	P311 protein (P311), mRNA /cds=(202,408) /gb=NM_004772 /gi=4758865 /ug=Hs.142827 /len=2036	Hs.142827	4
fcrb1616 ncrb8337 SEOB1956 1215 SEOA8771	small EDRK-rich factor 1, long isoform (SERF1) (=btf2p44)	AF073519.1	4
miob5445 hfc1307 ncrc6345 1216 miob5736	v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1 (YES1)	NM_005433.1	4
SOA0368 miob4875 fcrb2605 1217 seob5767 hfc0612 miob0948 seob8086	vacuolar ATPase isoform VA68	AF113129.1	4
1218 hfc9536	deoxyuridine triphosphatase(DUT) mRNA, complete cds	U62891.1	4
miob0757 ncrc1885 FCR5349 1219 SEOA8564 SOA0643 SEOA9235 miob0411	steroid dehydrogenase homolog	AF078850.1	4
1220 SEOB3141	sterol carrier protein-X/sterol carrier protein-2 (SCP-X/SCP-2)	U11313.1	4
ncrb6232 ncrc1127 seob4712 1221 SEOA7530a FCR1116 fcr3817n miob3890	translin	X78627	4
1222 ncr0847 ncrb4370 ncr2270 ncr6711	ribosomal protein L36a (RefSeq aa 1e-54)	NP_000992.1	4
1223 hfc0382 BFCS0457 FCR4971	calpain-like protease (CANPX)	NM_014289.1	4

Figure 6A - Continued

1224	hfc7802 fcrb1259 BFCW0115 ncr5140 seob7102	cysteinyl-tRNA synthetase	L06845.1	4
1225	ncr3419 ncrc4047 mioa9974n ncr5296	ubiquitin-like 3 (UBL3)	NM_007106.1	4
1226	ncrb3975 seob7686 ncrc9592 SEOA4336a	YY1 transcription factor (YY1)	NM_003403.2	4
1227	SEOB1251 hfc3043 hfc9099 SEOB3523	SR protein (RNPS1)	AF015608.1	4
1228	ncrb5058  ncrb2093 ncrc5104 ncrc5513	major histocompatibility complex, class II, DR alpha (RefSeq aa 4e-78)	NP_061984.1	4
1229	SEOA7169a seoa0964 MIOA5204a MIOA8146	epb72	X85117	4
1230	mioa9234 mioa9242 FCR5663 FCR7710	putative type II membrane protein (HP10390), (ORF)	NM_014255.1	4
1231	SEOA8894 ncrb6524 ncrb8393 ncrc0948	metallothionein 1X (MT1X) gene	X65607.1	4
1232	SEOA2106  BFCW0177 FCR7039 MIOA1324a	ionizing radiation resistance conferring protein (=X83544 U18321 DAP-3)		4
1233	ncr0110  MIOA0454 seob6004 ncr8099	CGI-116 protein(LOC51019)(ORF)= AF155655 protein x 0009 mRNA	NM_016053.1	4
1234	SEOA1277a SEOA9295 SOA0337 seob4754	actin2	D12816.1	4
1235	SEOA0014 fcrb1160 fcrb1954 miob4850	tropomyosin	M19267	4
1236	seoa8119  ncrb7961 seoa6255n seoa6969	integral membrane protein 2B (ITM2B), mRNA /cds=(170,970) /gb=NM_021999 /gi=11527401 /ug=Hs.239625 /len=1843	Hs.239625	4



## Figure 6A - Continued

1237	SEOA9131 MIOA5087a miob2677n ncrc6175	inactive progesterone receptor, 23 kD (P23) = L24804.1= Q15185 (orf)	NM_006601.1	4
1238	fcrb1072 FCR3025 CR0290 FCR6139	RAN binding protein 1 (RANBP1), low match	NM_002882.2	4
1239	FCR4954 BFCN0053 FCR5809 MIOA2077	voltage-dependent anion channel isoform 1 (VDAC)	L06132	4
1240	MIOA1149 mioa1148n seob4639 ncr8990	histone acetyltransferase 1	AF030424	4
1241	miob6355 fcrb1914 ncr5232 ncrb7525	Nijmegen breakage syndrome 1 (nibrin) (NBS1)	NM_002485.2	4
1242	MIOA3239a mioa3229an miob6406 ncrb3506	apoptosis-related protein TFAR15 (TFAR15)	AF022385	4
1243	miob3147 SEOA9119 seoa2602n ncr5077	septin 2-like cell division control protein	AF146760.1	4
1244	hfcr0383 BFCN0186 ncr5200 ncrb4180	tumor antigen (L6)	M90657.1	4
1245	ncrb8063 ncrc9617 ncrb4729 ncr8503	hypothetical 43.2 Kd protein (RefSeq aa 7e-35)	NP_057050.1	4
1246	SEOA4330a FCR3134N seob7936 ncrb7377	KIAA0592 (ORF)	AB011164	4
1247	seob3996 SEOA4545 SEOA6510a miob4558	KIAA0829	AB020636	4
1248	seob5414 seob4281 miob0082 ncrb5244	KIAA1265	AB033091	4
1249	ncrc1871  ncrc1089 ncrb3119 ncrb6496	murine mammary tumor integration site 6(oncogene homolog) (RefSeq aa 6e-84)	NP_001559.1	4
1250	ncrc3036 ncrb7897 FCR2601 ncr9715	PC3 cell line (TL27)	X75684.1	4
1251	miob3741	small acidic protein (IMAGE145052)	NM_014267.1	4

## Figure 6A - Continued

ncrc4955			
seob5146			
mioa9336			
1252 FCR0134	lysophospholipase (LPL1)	AF081281	4
SEOA2909a			
SEOA5912			
SOA0478			
1253 SEOA1575a	mitochondrial ATP synthase subunit 9	U09813	4
CR0215			
SEOB1226			
fCR0215			
1254 seob6836	hXBP-1 transcription factor DNA (=TREB protein)	L13850.1	4
miob6743			
ncrc0983			
ncrc0983			
1255 FCR0704	zinc finger protein(MAZ)	M94046	4
FCR0739			
hfcr7066			
FCR3843			
1256 SEOB2295	KARP-1-binding protein 3 (=KIAA0470)	AB022659.1	4
ncr7647			
FCR7063			
MIOA4939a			
1257 FCR2074	miCRofibril-associated glycoprotein (MFAP2)	U19718	4
hfcr8814			
hfcr8677			
hfcr7123			
1258 fcrb2208	smooth muscle myosin alkali light chain	U02629.1	4
hfcr1763			
MIOA6251a			
ncr7096			
1259 FCR3790	novel growth factor receptor	M64347	4
CR0584			
FCR1184			
SEOA8289			
1260 mioa9821	inducible 6-phosphofructo-2-kinase/fructose 2,6-bisphosphatase (IPFK-2) = NM_004566.1	AF056320	4
SEOA1361			
FCR5026			
ncrc2341			
1261 FCR5810	GTPase activating protein (rap1GAP)	M64788	4
FCR2099			
SEOA1909			
MIOA0152			
1262 ncr4993	chromodomain helicase DNA binding protein 1 (CHD1)(RefSeq aa 1e-72)	NP_001261.1	4
ncrc9020			
SEOA8540			
SEOA4292a			
1263 ncr0421	topoisomerase IIb mRNA,(= TOP2 mRNA for DNA topoisomerasell )	U54831.1	4
hfcr6482			
miob6277			
ncrc1272			
1264 hfcr3007	CUG triplet repeat,RNA-binding protein 2 (CUGBP2), (=apoptosis-related RNA binding protein (NAPOR-2))	NM_006561.1	4
ncrc3546			
miob3363			
ncrc3546			

## Figure 6A - Continued

1265 MIOA7139a miob3033 ncr3149	retinoblastoma 1 (including osteosarcoma) (RB1)	NM_000321.1	3
1266 miob1785  ncr1051 ncrc9700	lectin, galactoside-binding, soluble, 3 (galectin 3) (LGALS3)	NM_002306.1	3
1267 seob3854  miob0767 ncr1330	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3 (GNAI3)	NM_006496.1	3
1268 SEOA0190A FCR0669 SEOA0190A	protein phosphatase 2A B56-epsilon (PP2A)	L76703	3
1269 hfc2506  miob3378 seob4326	COX VIa-L cytochrome c oxidase liver-specific subunit VIa (EC 1.9.3.1)	X15341.1	3
1270 ncr2197  ncrc0863 ncrc9639	VDUP1 upregulated by 1,25-dihydroxyvitamin D-3, mRNA(=HHCPA78 homolog VDUP1 )	NM_006472.1	3
1271 hfc2874  ncrb0165 mioa7893	reticulocalbin 1, EF-hand calcium binding domain (RCN1)	NM_002901.1	3
1272 miob6730  ncrc6198 hfc6047	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5 (16kD, SGD) (NDUFB5)	NM_002492.1	3
1273 FCR4616  hfc0060 FCR4616	translation initiation factor A121/Sui1 (A121/SUI1), putative	AF100737	3
1274 fcrb1803  hfc2770 seob4489	proteasome (prosome macropain) 26S subunit, ATPase, 1 (PSMC1)	NM_002802.1	3
1275 miob1381 ncrb3429 seob7265	integrin, beta 5 (ITGB5)	NM_002213.1	3
1276 ncr2522  ncrb0115 SEOA5285a	plasma membrane calcium ATPase isoform 1 (ATP2B1) gene,= J04027	L14561	3
1277 ncr3188 ncrc1192 ncrc2289	mannosidase, alpha, class 1A, member 2 (MAN1A2)	NM_006699.1	3
1278 hfc0250  hfc3028 hfc5735	delta-like homolog (Drosophila) (DLK1)(= adrenal specific)	NM_003836.1	3
1279 MIOA8857 ncrc5931 miob0360	FAT tumor suppressor (Drosophila) homolog	NP_005236.1	3
1280 hfc5275 fcrb1944 hfc0365	FUS glycine rich protein	X71428.1	3

## Figure 6A - Continued

1281 hfc3727	eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein) (EEF1D)	NM_001960.1	3
hfc4557			
hfc7039			
1282 SEOA0099	ubiquitin-conjugating enzyme E2	AB017644.1	3
ncr4671			
SEOA1487			
1283 ncr2631	thyroid hormone receptor interactor 12 (TRIP12) (=KIAA0045)	NM_004238.1	3
ncr2115			
SEOB0009			
1284 miob3552	IMP (inosine monophosphate)dehydrogenase 2 (IMPDH2)	NM_000884.1	3
hfc2639			
miob3552			
1285 seob6582	major histocompatibility complex, class II, DR beta 1 (HLA-DRB1)	NM_002124.1	3
hfc9066			
ncrc6811			
1286 MIOA3089a	DNA topoisomerase II (TOP2)	Z15115	3
FCR5288			
SEOA5755a			
1287 seob5817	laminin, beta 1 (LAMB1)	NM_002291.1	3
hfc4273			
hfc0452			
1288 hfc2670	hum-a-tub1 alpha-tubulin	AF141348.1	3
hfc6844			
hfc1298			
1289 miob3247	nerve growth factor (HBNF-1)(= OSF-1)(= pleiotropin )	M57399.1	3
ncrb5203			
fcrb1511			
1290 MIOA4005a	ras-related C3 botulinum toxin substrate (rac)	M29870	3
BFCW0170			
ncrc3179			
1291 FCR1748	voltage dependent anion channel form 3 (=AF038962)	U90943	3
SEOA6124a			
SEOA0850n			
1292 hfc6404	polymerase (DNA directed) delta 2, regulatory subunit (50kD) (POLD2)	NM_006230.1	3
hfc6576			
hfc7231			
1293 SEOA7231a	guanylate binding protein isoform II (GBP-2)	M55543	3
miob4567			
SEOB0962			
1294 miob5629	HSPC328	AF161446.1	3
hfc3670			
ncr4120			
1295 miob1864	spinocerebellar ataxia 1(olivopontocerebellar ataxia 1, autosomal dominant, ataxin 1) (SCA1), mRNA	NM_000332.1	3
ncrc2259			
MIOA4427			
1296 MIOA2563a	ATP-binding cassette, sub-family A (ABC1), member 8, putative (=AB020629 KIAA0822) (67% aa)	6005701	3
MIOA1685a			
ncrc9736			
1297 ncr3346	galactosidase, alpha (GLA)	NM_000169.1	3
ncr5715			
FCR6279			

## Figure 6A - Continued

1298	ncr4009 seob5268 ncrb1868	glucose regulated protein, 58kD (GRP58)	NM_005313.1	3
1299	ncrb5931	dihydrodiol dehydrogenase 2 (trans-1,2-dihydrobenzene-1,2-diol dehydrogenase) (RefSeq aa 1e-67)	NP_001345.1	3
	ncrb2388 ncrb6284			
1300	MIOA6091 SEOA6117a HFCR3261	squalene epoxidase	D78129	3
1301	FCR4568	CYTOCHROME C OXIDASE POLYPEPTIDE VIIC PRECURSOR	spP15954	3
	seoa0263m SEOA8795			
1302	ncrb0017 ncr5131 ncr4858	cytochrome c oxidase subunit III (RefSeq aa 1e-54)	gi5835394	3
1303	FCR6264 ncr3710 ncrc4659	methionine adenosyltransferase alpha subunit	L43509	3
1304	MIOA0582a ncr3915 SEOA4405a	Krueppel-related DNA-binding protein (PF4)	M61866	3
1305	SEOA4029a MIOA7187a seob7190	RING zinc finger protein (RZF)	AF037204	3
1306	MIOA3668a ncrc4296 seob7429	RNA helicase	AJ223948	3
1307	SEOB3139 hfcr6630 ncrb4116	Glutathione transferase omega (GSTO1)	AF212303.1	3
1308	SEOA3641a	L-isoaspartyl/D-aspartyl protein carboxyl methyltransferase isozyme I	M93009	3
	SEOA5425 mioa9530			
1309	FCR2882 fcrb2198 fcr7552	collagen type V alpha 1 (COL5A1)	D90279	3
1310	MIOB2743	interferon gamma receptor 2 (interferon gamma transducer 1) (IFNGR2)	5031782	3
	ncrb5547 ncrc3349			
1311	SEOB2139	nuclear receptor subfamily 3, group C, member 1 (NR3C1)	NM_000176.1	3
	miob1087 ncrb4709			
1312	FCR2546N SEOA4416a hfcr7794	insulin-like growth factor binding protein-3	X64875	3
1313	seob4108	potassium channel modulatory factor (=DKFZp434L1021)	AF155652.1	3
	MIOB2821 hfcr3392			
1314	SEOA0844 FCR2629 seob8129	cyclin protein	M15796	3
1315	seob6437	nuclear phosphoprotein similar to S. cerevisiae	NM_007062.1	3

Figure 6A - Continued

MIOA2402a hfc3048			
1316 seob7369 MIOA1448 ncrc4988	COP9 complex subunit 4 (LOC51138)	NM_016129.1	3
1317 FCR2034N seob5180 miob6271	endomembrane protein EMP70 precursor isologue	U95973	3
1318 MIOA1980a ncrb3948 miob6668	KIAA0695	AB014595	3
1319 miob6382 mioa9367 hfc36821	KIAA0769 gene product (KIAA0769)	NM_014824.1	3
1320 SEOA0733a FCR1241N FCR3024N	neuronal protein	X79682	3
1321 miob6372 fcrb0125 ncrb2006	NRAS-related gene (D1S155E) (=DKFZp586J0620)	NM_007158.1	3
1322 miob3043  fcrb1977 ncr1689	RAB13, member RAS oncogene family (RAB13) mRNA	NM_002870.1	3
1323 SEOA4487 ncr2856 SEOB1696	retrotransposon 3' long terminal repeat	Z48633	3
1324 FCR1499 hfc3633 fcrb1225	sex-regulated protein janus A	S77099	3
1325 seob7402  fcrb0299 fcrb0177	ATPase, Ca transporting, cardiac muscle, slow twitch 2 (ATP2A2)	NM_001681.1	3
1326 ncr3763 ncr0400 hfc39560	cysteine protease	D55696.1	3
1327 MIOA8356 FCR2978 FCR2889	protein-tyrosine-phosphatase G1	D13380.1	3
1328 SEOB0606  miob6813 ncrb0012	adipocyte acid phosphatase beta=phenylarsine oxide-sensitive tyrosyl phosphatase	S62885.1	3
1329 ncr1782 ncrc6510 ncrc7099	ATP SYNTHASE PROTEIN 8 (A6L)	P03928	3
1330 SEOA4395a ncrb7427 seob6438	hinge=OXPHOS system complex III	S61826	3
1331 MIOA0985 MIOA6826a FCR5949	mitochondrial aldehyde dehydrogenase (ALDH I)	Y00109	3
1332 SEOB3479  FCR0874 ncr2425	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 1 (6kD, KFYI) (NDUFC1)	NM_002494.1	3
1333 SEOB0089	NADH dehydrogenase (ubiquinone) Fe-S protein 6 (13kD) (NADH-coenzyme Q reductase) (NDUFS6)	NM_004553.1	3

## Figure 6A - Continued

hfc9535 ncrc5993 1334 MIOA6501a fcrb1115 ncrb4021	Na,K-ATPase beta subunit (ATP1B)	M25160	3
1335 seob6203  ncrc9021 ncr1672 1336 ncr5426	wingless-type MMTV integration site family, member 2B (WNT2B), mRNA  alpha-1-antichymotrypsin, precursor;actichymotrypsin (RefSeq aa 6e-32)	NM_004185.1  NP_001076.1	3  3
ncrc6572 ncrc3154 1337 FCR6234 hfc7570 hfc8811 1338 hfc7603	cystatin C  proteasome (prosome, macropain) 26S subunit, ATPase, 3 (PSMC3)	X52255  NM_002804.1	3  3
hfc6178 hfc3873 1339 miob4570 miob5628 ncrb0131	sorting nexin 2 (SNX2)	AF065482.1	3
1340 hfc7967 ncrc8833 FCR5474	DiGeorge syndrome critical region gene 6 (DGCR6)	NM_005675.1	3
1341 ncr8975 SEOA4606a ncrb0669	ubiquitin-conjugating enzyme E2L 3 (UBE2L3)	NM_003347.1	3
1342 SEOB1345  SEOA9337 seob7608 1343 MIOA4845a	Cdc5-related protein (PCDC5RP) (=AB007892.1 KIAA0432)  CGI-99 protein = homeobox prox 1= AF100755.1(ORF)	U86753.1  AF151857	3  3
SEOA8845 mioa7687a 1344 fcrb0355 hfc0822 hfc1323	jun B proto-oncogene (JUNB)	NM_002229.1	3
1345 MIOA7485a miob5128 SEOA6920	mSin3A (sin3A)	U22394	3
1346 hfc6568 seoa7854a ncr7947	retinoblastoma-binding protein 7 (RBBP7)	NM_002893.1	3
1347 ncrb2389 ncrc3283 seoa7997	X-box binding protein 1 (RefSeq aa 3e-37)	NP_005071.1	3
1348 seob7424 ncr1431 miob6715	zinc finger protein 133 (clone pHZ-13) (ZNF133)	NM_003434.1	3
1349 SEOB1839 fcrb0200 mioa9761	dead box, X isoform (DBX)	AF000982.1	3
1350 hfc1843  ncrb7905 ncrc4087	six transmembrane epithelial antigen of prostate (STEAP1)	AF186249.1	3

## Figure 6A - Continued

1351	mioa9908 miob0999 ncrb7970	coatamer protein complex, subunit beta 2 (beta prime) (COPB2)	NM_004766.1	3
1352	MIOA3393a FCR5707 FCR5704	helicase II (RAD54L) (=ATRAX)	U09820	3
1353	mioa9792 ncrc9774 ncr4700	topoisomerase (DNA) II alpha (170kD) (TOP2A) (ORF)	NM_001067.1	3
1354	SEOA0853 SEOA9029 miob6526	cytochrome succinate dehydrogenase, small subunit	AB026906.1	3
1355	hfcR3503 ncrc6484 ncrb3301	GTT1	AF270647	3
1356	MIOA1252 FCR6027 SEOA3749a	major histocompatibility locus class III regions Hsc70t (smRNP, G7A, NG23, MutS homolog, CLCP, NG24, NG25, and NG26)	AF109905	3
1357	FCR1347 hfcR0839 FCR3106	prenylated rab acceptor 1 (PRA1)	AF025506	3
1358	MIOA1882a miob4205 ncrb4819	CGI-49 protein	AF151807.1	3
1359	MIOA2038 ncrb7065 mioa9787	spindle pole body protein spc98 homologue GCP3	AF042378	3
1360	hfcR6734 BFCS0347n hfcR8016	chondroitin sulfate proteoglycan 4 (melanoma-associated) (CSPG4)	NM_001897.1	3
1361	miob3967 SEOA5942 hfcR3529	ankyrin G (ANK-3)	U13616.1	3
1362	SEOB1972 hfcR8428 MIOA4185	spectrin beta protein (pAZSP 3' end)	X91849.2	3
1363	hfcR5445 ncrc0696 fcrb2628	cold inducible RNA-binding protein (CIRBP)	NM_001280.1	3
1364	FCR7453 hfcR2666 HFCR3201	lamin A	M13452	3
1365	miob1800 ncrb6353 ncrc9847	phosphatidylinositol glycan, class B (PIGB)	NM_004855.1	3
1366	seob4945 seoa3877n MIOA1565n	interleukin 13 receptor alpha 1 (IL13RA1)	NM_001560.1	3
1367	seob5012 ncr9982 hfcR2959	retinoic acid suppression protein A (RSG-A)	AF038964.1	3
1368	ncr2176 mioa7789a ncrc6059	CDC28 protein kinase 1 (RefSeq aa 4e-44)	NP_001817.1	3



## Figure 6A - Continued

1369 miob4378	latent transforming growth factor beta binding protein 2 (LTBP2)	NM_000428.1	3
ncrc0953			
hfc2873			
1370 hfc9125	fibroblast growth factor 7 (keratinocyte growth factor) (FGF7)	NM_002009.1	3
hfc7617			
mioa2127m			
1371 MIOA0332	PDZ domain containing-protein (PDZK1)	AF012281	3
ncrb8577			
ncr1352			
1372 ncrb7211	stanniocalcin 1 (STC1)	NM_003155.1	3
ncrb7212			
ncrb8524			
1373 seob1039	fer-1 (C. elegans)-like 3 (FER1L3) (=AF182317 myoferlin (MYOF))	NM_013451.1	3
fcrb2041			
ncrb3393			
1374 fcrb0988	chromobox homolog 1(Drosophila HP1 beta) (CBX1), mRNA	NM_006807.1	3
hfc1931			
miob0898			
1375 MIOB2247	telomeric repeat binding factor (TRF1)	U40705.1	3
fcrb1990			
ncrb1159			
1376 hfc6700	prefoldin 2 (PFDN2)	NM_012394.1	3
ncrb2029			
seoa0442n			
1377 seoa7871a	15 kDa selenoprotein (SEP15), mRNA /cds=(4,492) /gb=NM_004261 /gi=4759095 /ug=Hs.90606 /len=1244	Hs.90606	3
mioa0509			
seoa4940a			
1378 FCR2530	4F5rel	AF073298	3
FCR6804			
FCR6897			
1379 SEOA7115a	androgen induced protein (AIG-1) (=AF151861 CGI-103 protein)	AF153605.1	3
SEOA8714			
SEOA1076a			
1380 MIOA6102a	antigen NY-CO-1 (NY-CO-1)	AF039687.1	3
FCR0105			
SEOA0445			
1381 SEOA4158a	ceroid-lipofuscinosis, neuronal 2, late infantile (Jansky-Bielschowsky disease)CLN2) mRNA	NM_000391.2	3
ncr2337			
ncrc4188			
1382 MIOA9033	CG3450 gene product [Drosophila melanogaster](86% ORF)	AAF57398.1	3
miob0680			
SEOB1605			
1383 SEOA5785	ELK1 (ELK1)	AF080616	3
ncr4341			
fcrb1387			
1384 MIOA4318a	embryonic lung protein (HUEL)	AF006621.1	3
ncrb3510			
miob1338			

## Figure 6A - Continued

1385 MIOA6704a	ENDOPLASMIN PRECURSOR (94 KD GLUCOSE-REGULATED PROTEIN) (GRP94) (GP96 HOMOLOG) (TUMOR REJECTION ANTIGEN 1)	spP14625	3
MIOA8468 seoa1357m			
1386 miob3004	gene hY3 encoding a cytoplasmic Ro RNA	V00585.1	3
MIOA3445a SEOA6193a			
1387 MIOA1976a	GS3955	D87119	3
FCR4758 seoa7714a			
1388 seob6486	HBV pX associated protein-8 (LOC51773)	NM_016578.1	3
miob4918 ncr6407			
1389 MIOB2691	HRIHFB2072 (=AF115778 M.musculus short coiled coil protein SCOCO (Scoc))	AB015335.1	3
ncr8993 MIOA9146			
1390 MIOA2285a	HSPC004	AF070660	3
MIOA4003a SEOA1931			
1391 SEOA3164m	HSPC019	AF077205.1	3
MIOA2023 seob7273			
1392 hfcr6375	HSPC033 protein (HSPC033)	NM_014041.1	3
ncrb6697 ncrc2049			
1393 hfcr3679	HSPC037 protein (LOC51659)	NM_016095.1	3
hfcr9030 ncrc5876			
1394 ncr4535	HSPC158 protein (RefSeq aa 3e-87)	NP_054899.1	3
ncrc6062 ncrb8559			
1395 SEOA2889a	HSPC161	AF161510	3
miob0856 miob4576			
1396 hfcr8475	HSPC162 protein (HSPC162)	NM_014183.1	3
seoa8032 ncrb8222			
1397 SEOB1009	HSPC218	AF151052.1	3
hfcr0177 ncrc6040			
1398 SEOB2221	HSPC241	AF151075.1	3
seob7902 seob5973			
1399 ncr0438	HSPC275	AF161393	3
ncrb0069 ncrc5887			
1400 ncr3197	HSPC337	AF161455.1	3
hfcr8940 seob5469			
1401 ncr6344	HTGN29 protein (HTGN29)	NM_020199.1	3
ncrc3390 ncr4628			
1402 MIOA4678	hyperion gene	AJ010770	3
ncrc5614 SEOB1637			
1403 ncr0423	hypothetical protein (RefSeq aa 5e-73)	NP_057016.1	3
ncrc1944			

Figure 6A - Continued

ncrc9193			
1404 ncr0276	iduronate sulphate sulphatase (IDS) gene	L35485.1	3
FCR3618			
MIOA0320			
1405 SEOA7542a	KIAA0040	D25539	3
ncr0889			
ncrb1871			
1406 FCR5490	KIAA0065 (ZNF33A Kruppel-related)	D31763	3
MIOA1671a			
miob4374			
1407 FCR0593	KIAA0076	D38548	3
fcrb0926			
fcrb1898			
1408 FCR3034	KIAA0081	D42039	3
MIOA4750			
ncr4870			
1409 FCR6616	KIAA0090	D42044	3
SEOA9840			
miob3140			
1410 ncr3793	KIAA0099 protein, partial cds	D43951.1	3
hfc2900			
SEOA8841			
1411 SEOB0857a	KIAA0104	D14660.1	3
seob7035			
hfc7412			
1412 FCR6188	KIAA0121	D50911	3
hfc2512			
fcrb2500			
1413 FCR1328	KIAA0128	D50918	3
FCR1045			
FCR5975			
1414 SEOA1617a	KIAA0146	D63480	3
FCR6437			
FCR1717			
1415 SEOB3105	KIAA0152 (cytotoxic T-cell membrane glycoprotein Ly-3 isolog)	NM_014730.1	3
ncrb0826			
FCR5866			
1416 SEOA7383a	KIAA0170	D79992	3
miob5463			
fcrb0023			
1417 ncrb0027	KIAA0182 gene	D80004.1	3
ncrc3569			
ncrc6896			
1418 MIOA0891a	KIAA0188	D80010	3
fcrb0881			
ncrb5284			
1419 MIOA8367	KIAA0205	D86960	3
seoa7825a			
MIOA4803a			
1420 SEOA4056	KIAA0238	D87075	3
MIOA8900			
miob3561			
1421 MIOA5231a	KIAA0255 gene	D87444	3
CR0454			
FCR2957			
MIOA0217a			
1422 SEOA5503a	KIAA0261	D87450	3
ncr4142			

Figure 6A - Continued

1423	seob4907 MIOA3486a FCR5887 FCR1912	KIAA0262	D87451	3
1424	seob6264 hfc2621 seob7171	KIAA0310 protein	AB002308.2	3
1425	SEOA6648a MIOA3500a ncrc2195	KIAA0379	AB002377	3
1426	seob4029 ncrb5616 FCR4766	KIAA0419 gene product (KIAA0419)	NM_014711.1	3
1427	seob7345 ncrc7081 SEOA1723a	KIAA0443 gene product	NM_014710.1	3
1428	SEOB1842 hfc9061 ncrb8398	KIAA0458	AB007927.1	3
1429	SEOA3670a hfc1939 seob4759	KIAA0461	AB007930	3
1430	miob5708 fcr0004 ncr0364	KIAA0484	AB007953.1	3
1431	SEOA6574a ncrc0419 ncrc1606	KIAA0537	AB011109	3
1432	ncrb3626 ncrb1067 ncrc2507	KIAA0642	AB014542	3
1433	SEOA1213A ncrc0105 ncrc7113	KIAA0666	AB014566	3
1434	SEOB2271 hfc5222 FCR5911	KIAA0692	AB014592.1	3
1435	SEOA9948 hfc3365 SEOA9948	KIAA0696 protein	AB014596	3
1436	MIOA2204a MIOB2750 SEOA5654a	KIAA0716	AB018259.1	3
1437	MIOA3467a seob4898 seob6772	KIAA0783	AB018326.1	3
1438	hfc6792 ncrb6169 miob1155	KIAA0851 gene	AJ297357.1	3
1439	ncrc3237  ncrc3383 ncr9114	KIAA0929 protein Msx2 interacting nuclear target (MINT) homolog	NM_015001.1	3
1440	SEOA0549A SEOB3581 ncr2725	KIAA0936	AB023153.1	3
1441	SEOA2654 HFCR3262 seob4704	KIAA0958	AB023175.1	3

## Figure 6A - Continued

1442	SEOA0145 ncr1818 SEOB1533	KIAA0965	AB023182.1	3
1443	MIOB2804 fcrb0285 ncr4455	KIAA1162	AB032988.1	3
1444	miob0304 hfcf5538 hfcf3759	KIAA1212 protein	AB033038.1	3
1445	miob3986 ncrc9463 ncr0441	KIAA1288	AB033114.1	3
1446	SEOA8472 ncrb1200 ncrb4554	KIAA1311	AB037732.1	3
1447	SEOB2938 ncr8695 ncrc0408	KIAA1439	AB037860.1	3
1448	ncrb2511 ncrb4678 ncrc1502	KIAA1581	AB046801	3
1449	ncrb8066 ncrc1899 ncrb7895	L1 repetitive element ORF (aa 1e-23,75%)	B28096	3
1450	ncr9956 ncrb8719 ncrc1722	MDS016 (MDS016)	AF182417.1	3
1451	miob6373 ncr3752 ncrc4741	MO25 protein (LOC51719) (=cDNA FLJ20797 fis)	NM_016289.1	3
1452	SEOA0288 MIOA3232a ncr1867	myeloid cell nuclear differentiation antigen	M81750	3
1453	MIOA1077 SEOA3132a SEOA6434	NDPP-1 protein	D10727.1	3
1454	SEOA0054  BFCW0275 SEOA6722	Nm23 protein, involved in developmental regulation (Drosophila Awd protein homologue)	X17620	3
1455	hfcf4349  ncrb8112 HFCR3255	nuclear distribution gene C (A.nidulans) homolog (NUDC)	NM_006600.1	3
1456	MIOA5692 ncrc6330 ncrc2663	P13-kinase associated p85	M61906	3
1457	FCR1147 FCR3338 hfcf4680	PEG3 (=AB006625 hypothetical protein (KIAA0287))	U90336	3
1458	SEOA6049a  FCR7648 MIOA8970	peroxisomal acyl-CoA: dihydroxyacetonephosphate acyltransferase (DHAPAT)	AF043937	3
1459	SEOB1153 SEOA8234 SEOA8935	PRO0657	AAF24054.1	3
1460	ncr2847 ncrc5595	PRO2550	AF130089	3

## Figure 6A - Continued

ncrc6347			
1461 SEOA2443a	PTD015	AF092136.1	3
seob6686			
ncrc9519			
1462 hfc3446	PTP1C/HCP gene	X82818.1	3
fcrb1520			
fcrb0035			
1463 SEOA9712	Rab geranylgeranyltransferase, beta subunit (RABGGTB)(ORF) = Y08201.1	NM_004582.1	3
ncrc9495			
ncrc2555			
1464 hfc9529	retinal pigment epithelium	L07393.1	3
ncr5408			
ncrc3993			
1465 ncr7792	retinol-binding protein 4, interstitial (RBP4)	NM_006744.2	3
ncrb0587			
ncrc0117			
1466 SEOA4611a	ribulose-5-phosphate-epimerase, (ORF)	AJ224326	3
ncrb3307			
ncr3780			
1467 miob3725	serologically defined colon cancer antigen 1 (SDCCAG1)	NM_004713.1	3
ncr2793			
seoa6983			
1468 SEOB0168	Sid3177	AB024935.1	3
seob5690			
miob3021			
1469 hfc1891	snuportin-1 (KPNBL)	NM_005701.1	3
SEOA4743a			
FCR2810			
1470 seoa7755a	SON DNA binding protein isoform E (SON) mRNA, complete cds, alternatively spliced /cds=(29,6355) /gb=AF380183 /gi=17046380 /ug=Hs.92909 /len=8438	Hs.92909	3
mioa7825a			
seoa6989			
1471 MIOA8773	split hand/foot deleted gene 1	NP_033195.1	3
SEOA4155a			
SEOA8598			
1472 miob0931	ST15	D50406.1	3
miob1758			
ncrb4291			
1473 miob6839	SUMO-1 activating enzyme subunit 2 (UBA2)	NM_005499.1	3
miob6701			
SEOA7278a			
1474 miob3811	suppressor of G2 allele	NM_006704.1	3
seob5811			
fcrb0916			
1475 MIOA1610a	TEB4 protein (=AB011169 KIAA0597)	AF009301	3
SEOB0751			
MIOA4869a			
1476 FCR5075	thiosulfate sulfurtransferase (rhodanese) (TST)	X59434	3
hfc9337			
ncrc5923			
1477 FCR2601	TL27 (from PC3 cell line)	X75684	3
ncr9715			
hfc4204			
1478 miob6632	translocated promoter region (to activated MET oncogene) (TPR)	NM_003292.1	3

## Figure 6A - Continued

MIOA9173 miob2990			
1479 ncr1042 SEOA2802 SEOB0782a	WS-3	D84145.1	3
1480 fcrb0378 ncrc1693 hfcr5774	WW domain binding protein-1 (ORF)	U79457.17	3
1481 SEOA7379a miob3836 miob4847	XIST	X56196	3
1482 ncr0663 ncrc5708 SEOB2780	annexin A11 (ANXA11 gene)	AJ278465.1	3
1483 MIOA4810a	ATPase, Na /K transporting, beta 3 polypeptide (ATP1B3= sodium/potassium-transporting ATPase beta- 3 subunit = U51478(ORF)	NM_001679.1	3
ncr3203 miob1965			
1484 seob4925 hfcr7773 ncrc0611	channel-like integral membrane protein (AQP-1)	U41518.1	3
1485 MIOA0461 ncr0578 fcrb0300	citrin (SLC25A13)	AF118838.1	3
1486 SEOA2448a SEOA3617a SEOA5226a	X-linked phosphoglycerate kinase	M11968	3
1487 miob3618 miob2393 mioa9533	aldehyde dehydrogenase 6 (ALDH6)	NM_000693.1	3
1488 FCR3167 hfcr2714 SEOA9363	aldehyde reductase	J04794	3
1489 MIOA3888a MIOB2627 ncr3181	dTDP-D-glucose 4, 6-dehydratase	AJ006068	3
1490 seob7662 SEOA4489 ncrb1491	platelet-type phosphofructokinase	D25328.1	3
1491 SEOA3322a SEOA3324a miob4108	MKP-1 like protein tyrosine phosphatase	AF038844	3
1492 SEOA2910a MIOA3756a SEOA6196a	Gem GTPase (gem)	U10550	3
1493 MIOA4241	hypoxanthine phosphoribosyltransferase (HPRT) gene, complete cds.	M26434	3
hfcr5129 miob2499			
1494 SEOB3170 MIOA5162a SEOA0191A	plasma cell membrane glycoprotein (PC-1)	M57736.1	3
1495 SEOA1900n SEOA2024a SEOA7145a	pyrophosphatase	Z48605	3
1496 SEOB0949	acetyl-Coenzyme A acetyltransferase 2 (acetoacetyl Coenzyme A thiolase)	gi5174388	3
SEOB3564			

## Figure 6A - Continued

ncrb4951 1497 SEOA3408a MIOB2701 SEOA3474a 1498 fcrb0131	acyl-CoA synthetase 4 (ACS4)	AF030555	3
fcrb1715 ncrc4896 1499 miob5016 hfc6712 ncrc3709 1500 SEOA5554a fcrb0425 seoa6975 1501 ncr2145	acyl-Coenzyme A dehydrogenase, very long chain (ACADVL), nuclear gene encoding mitochondrial protein, mRNA	NM_000018.1	3
ncrb3813 ncrc0472 1502 SEOB0386 MIOA8031a seob5635 1503 HFCR2384	L3 pigment (L3)	AF189062.3	3
ncr7576 MIOA2704a 1504 SEOA9709	leukotriene A-4 hydrolase	J02959	3
mioa1216m hfc6843 1505 MIOA6969a ncr4531 seob4045 1506 seob5053 miob0724 seob7356 1507 MIOA1473 ncr6113 ncr8622 1508 seob4645	cytochrome b5 reductase 1 (B5R.1) (RefSeq aa 1e-31)	NP_057327.1	3
MIOA3702a ncrc0793 1509 hfc5207 ncrb3985 ncrb2274 1510 hfc4444 ncrb0397 ncrc1227 1511 SEOA0464 FCR2049 seob4630 1512 seob4621 FCR4742 hfc2810 1513 MIOA8536	NADH-ubiquinone oxidoreductase MNLL subunit	AF050638.1	3
	ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1 (UQCRCF1)	5174742	3
	methylenetetrahydrofolate dehydrogenase (NAD dependent), methenyltetrahydrofolate cyclohydrolase (MTHFD2) = X16396.1	NM_006636.1	3
	aspartyl glucosaminidase (AGA)	X55330	3
	leucine-rich repeat (LRR) protein (P37NB) 37 kDa	NM_005824.1	3
	methionine synthase reductase (MTRR)	AF025794	3
	osteoblast specific cysteine-rich protein, complete cds	AB008375	3
	pyrroline-5-carboxylate reductase 1 (PYCR1)	NM_006907.1	3
	S-adenosylmethionine decarboxylase 1 (AMD1)	NM_001634.3	3
	selenophosphate synthetase 2 (SPS2)	U43286	3
	tryptophan rich basic protein (WRB) (ORF)	NM_004627.1	3
	glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2) (GOT2), nuclear gene encoding mitochondrial protein	NM_002080.1	3



## Figure 6A - Continued

SEOA5164a hfc1309 1514 ncr7876	eukaryotic translation initiation factor 4E (RefSeq aa 4e-86)	NP_001959.1	3
ncrc5739 ncrc6815 1515 FCR7550	GC20 protein (=AF077052 protein translation factor sui1 homologue)	AF064607	3
SEOA6753 SEOA1346 1516 seob3731 ncr9561 SEOA0790 1517 FCR0111 FCR2289 MIOA9046 1518 HFCR3144	p80 protein (=M23613.1 nucleophosmin)	D45915.1	3
hfc7381 FCR4031N 1519 SEOA8759	translation initiation factor 3 47 kDa subunit	U94855	3
SEOB1743 SEOA5234a 1520 hfc3500	ribosome binding protein 1 (dog 180kD homolog) (RRBP1)	gi4759055	3
mioa1721a hfc9097 1521 MIOA1380a SEOB3294 seob5286 1522 ncr0496 seob5607 ncrc0654 1523 SEOA8374a FCR2753 hfc9508 1524 seob6368 fcrb1421 fcrb0071 1525 seob4928 ncrc6644 ncrb8230 1526 hfc0413	stress-associated endoplasmic reticulum protein 1; ribosome associated membrane protein 4 (SERP1)	NM_014445.1	3
SEOA6661a ncr7672 1527 hfc7769 SEOA4537 hfc9509 1528 miob1059 hfc6981 fcrb2427 1529 miob6688 ncr1298 MIOA5147a 1530 seob2560	aminopeptidase puromycin sensitive (NPEPPS)= AJ132583.1 puromycin sensitive aminopeptidase (ORF)	NM_006310.1	3
	beta-migrating plasminogen activator inhibitor I	M14083	3
	calpain, large polypeptide L2 (CAPN2) mRNA	NM_001748.1	3
	collagenase inhibitor	M59906	3
	cysteine-rich heart protein (hCRHP)	U09770.1	3
	cysteine-rich repeat-containing protein S52 precursor	AF167706.1	3
	matrix metalloprotease(ADAMTS1) mRNA, complete cds	AF207664.1	3
	nardilysin (N-arginine dibasic convertase) (NRD1)	NM_002525.1	3
	procollagen, type XI, alpha 1 (Col11a1)	NM_007729.1	3
	protease inhibitor 12 (neuroserpin) (PI12)	NM_005025.1	3
	proteasome (prosome, macropain) subunit, alpha type, 5 (PSMA5)	NM_002790.1	3

## Figure 6A - Continued

SEOB0928 SEOB1497 1531 seob6572	proteasome (prosome, macropain) subunit, alpha type, 7 (PSMA7) mRNA, and translated products	NM_002792.1	3
ncr2670 ncr4193 1532 SEOA8300	PROTEASOME COMPONENT C9 (MACROPAIN SUBUNIT C9) (MULTICATALYTIC ENDOPEPTIDASE COMPLEX SUBUNIT C9)	spP25789	3
SEOA8747 SEOB1774 1533 MIOA3857 seob2611 SEOA4121a	proteasome subunit X (=X95586 MB1)	D29011	3
1534 seob4992 miob4145 ncrc6722	proteinx0008 (AD013)	NM_013395.1	3
1535 ncr2892 hfc7665 ncrb0547	sorting nexin 1 (SNX1)	NM_003099.1	3
1536 seob5792 ncr1704 ncrb6324	chaperonin containing TCP1, subunit 2 (beta) (CCT2)	NM_006431.1	3
1537 seob6189	farnesyl diphosphate synthase (farnesyl pyrophosphate synthetase, dimethylallyltransferase, geranyltransferase)	NM_002004.1	3
hfc9650 hfc9252 1538 ncrb1833 SEOA7448a ncrc1703	huntingtin interacting protein 2 (HIP2)	NM_005339.1	3
1539 hfc0676	karyopherin alpha 2 (RAG cohort 1, importin alpha 1) (KPNA2)	NM_002266.1	3
hfc7834 FCR3069 1540 miob5829	nuclear localization signal deleted in velocardiofacial syndrome (NLVCF)	NM_003776.1	3
miob0406 ncrb4889 1541 MIOA3395a ncrb5912 ncrc0508	signal recognition particle (SRP), 19kD protein	X12791	3
1542 ncrb3980 fcrb1835 ncrb8586	TRAM-like protein (KIAA0057), mRNA	NM_012288.1	3
1543 MIOB2116	ubiquitin-activating enzyme E1C (homologous to yeast UBA3) (UBE1C)	gi4507764	3
seob3673 ncrb6221 1544 SEOA3263 seob6103 SEOA6860	AE-binding protein 1, AEBP1	D86479	3
1545 SEOB1423 ncrb2475 SEOA4873a	alternative splicing factor	M72709.1	3
1546 hfc5260 fcrb2201 FCR4877	amplified in osteosarcoma (OS-9)	NM_006812.1	3

Figure 6A - Continued

1547 ncr8588 hfc4049 ncrb1987	bromodomain-containing 2 (BRD2)= KIAA9001	NM_005104.1	3
1548 seob6291 miob2487 ncrb2980	CCAAT-box-binding transcription factor (CBF2)	NM_005760.1	3
1549 SEOB2775 miob1393 ncrb6469	c-Cbl-interacting protein (CIN85)	AF230904.1	3
1550 ncr0176 SEOA0015 SEOA1108a	c-myc transcription factor (puf) = M36981(ORF)	L16785.1	3
1551 miob2974 SEOA2507 seoa6998	FUSE binding protein 3 (FBP3)	U69127.1	3
1552 mioa9334  ncr1381 SEOA1102a	GA-binding protein transcription factor, beta subunit 1 (53kD) (GABPB1)	NM_016654.1	3
1553 SEOA2381a SEOB0974 SEOA4099a	helix-loop-helix basic phosphoprotein (G0S8)	L13391	3
1554 SEOA0884 BFCS0481 ncrc9468	myocyte-specific enhancer factor 2A (MEF2A)	U49020	3
1555 SEOB1758  ncr4836 ncr2893	retinoblastoma-associated protein RAP140 (=KIAA1105)	AAD55098.1	3
1556 SEOA4332a  hfc4612 ncrc3500	retinoblastoma-binding protein 4 (RBBP4) =X74262 RbAp48	NM_005610.1	3
1557 miob3953 ncr2798 ncrc4472	ring finger protein 11 (RNF11)	NM_014372.1	3
1558 seob4819 seob4917 SEOB3597	ring finger protein 14 (RNF14) (=HFB30)	NM_004290.1	3
1559 SEOA3101a ncrc6589 FCR2913N	T-box transCRiption factor (Tbx15)	AF041822	3
1560 ncrb6699  SEOA0925 seob6054	thyroid hormone receptor interactor 11 (TRIP11) (=Golgi-associated microtubule-binding protein)	NM_004239.1	3
1561 SEOB0991 hfc9164 MIOA5915a	thyroid receptor interactor (TRIP3)	L40410.1	3
1562 MIOA3688a  SEOA3843 seob4127	transCRiptional activation factor TAFII32 (=AF151895 CGI-137 protein)	U21858	3
1563 ncr4113 hfc9303 fcrb1767	transducin (beta) like 2 (TBL2)	NM_012453.1	3
1564 SEOA8716  hfc0960	Y-linked zinc finger protein (ZFY) gene (=DKFZp434F2311)	AF114156.1	3

Figure 6A - Continued

ncrc3630 1565 SEOB0922 HFCR3226 fcrb2206	ZINC FINGER PROTEIN 135	spP52742	3
1566 seob5558 miob4645 ncrc9716	ZNF01 and HUMORFKG1B genes, partial sequence	AF205588.1	3
1567 SEOA8424 miob5472 MIOA5639a	nCL1 gene	X85032.1	3
1568 seob4793	endoplasmic reticulum luminal Ca <sup>2+</sup> binding protein grp78	AF216292.1	3
hfc3784 miob0158 1569 MIOA2173a FCR2490 FCR6292	hnRNP-E2 (poly(rC)-binding protein 2 (PCBP2))	X78136	3
1570 mioa9328	leukophysin (LKP) = NM_001357.1 DEAD/H box polypeptide 9 (DDX9)	U03643.1	3
SEOA2428a ncr1714 1571 MIOA8346 FCR2203 ncrc2424	polyadenylate binding protein(TIA-1)	M77142	3
1572 SEOA1100a ncrb3573 ncrb6248	PR264	X75755	3
1573 seob3892 SEOB3224 fcrb1040	seryl-tRNA synthetase (SARS)	NM_006513.1	3
1574 seob5762	small nuclear ribonucleoprotein D1 polypeptide (16kD) (SNRPD1)	NM_006938.1	3
MIOA7265a MIOA6942a 1575 hfc6993	small nuclear ribonucleoprotein polypeptide F (SNRPF)	NM_003095.1	3
hfc9272 ncrc5568 1576 SEOB3415 ncr9313 ncrc3338	splicing factor 3b, subunit 1, 155kD (SF3B1)	NM_012433.1	3
1577 hfc2850 hfc3920 hfc7012	splicing factor, arginine/serine-rich 9 (SFRS9)	NM_003769.1	3
1578 hfc9014 FCR7559 fcrb2241	breast cancer-associated gene 1 protein (BCG1)	AF126181.1	3
1579 FCR4128 FCR5831 FCR5366	cartilage-associated protein (CASP)	AJ006470	3
1580 ncr7973 ncrb8380 ncrc3145	DC2 (DC2)	AF201937.1	3
1581 SEOA0848 ncrb2087 ncrb2188	T-cell gamma receptor locus	AF159056.1	3
1582 seob6492 hfc6798 seoa1568m	28 kDa heat shock protein	Z23090.1	3

## Figure 6A - Continued

1583 miob1134 seoa7833a miob1442	ALEX1 protein (LOC51309)	NM_016608.1	3
1584 SEOA4174a  ncrc0461 SEOA2429a	LIM and senescent cell antigen-like domains 1 (LIMS1) =U09284, PINCH protein	NM_004987.1	3
1585 hfc1127	coatamer protein complex, subunit alpha (COPA), mRNA	NM_004371.2	3
 FCR2442 ncrc1129			
1586 hfc0691 hfc1675 hfc4341	endoglin (Osler-Rendu-Weber syndrome 1) (ENG)	NM_000118.1	3
1587 MIOB2668 hfc6918 ncr9191	tetraspanin TM4-A	AF133423.1	3
1588 MIOA1735 MIOA2161a MIOA4922a	ERCC5 excision repair protein	L20046	3
1589 miob5840	MHC class II lymphocyte antigen beta-chain (HLA-DPB1)	M28202.1	3
 seob5447 SEOA3472a			
1590 miob5437 ncrc9237 mioa7880	thioredoxin-like (TXNL2)	gi5730103	3
1591 SEOB0685a SEOB1495 ncr5226	Apg12	BAA36493.1	3
1592 hfc7341 SEOA8883 ncr2874	calponin 3, acidic (CNN3)	NM_001839.1	3
1593 ncr3673	capping protein (actin filament) muscle Z-line, alpha 1 (CAPZA1), (=capping protein alpha subunit isoform 1)	NM_006135.1	3
 ncr9659 miob3116			
1594 hfc4007 fcrb1450 hfc9907	CGI-101 protein (LOC51009)	NM_016041.1	3
1595 MIOA8739 SEOA3006a seob4780	CGI-114 protein (=DKFZp566E144)	AF151872.1	3
1596 SEOA2823 MIOA3493a SEOA6291	CGI-123 protein	AF151881.1	3
1597 SEOB1273 miob3173 hfc6067	CGI-129 protein	AF151887.1	3
1598 SEOA3544a ncrc5775 SEOA3588a	CGI-142 protein	AF151900.1	3
1599 ncr3233 ncrc1607 SEOA5310a	CGI-151 protein (RefSeq aa 6e-51)	NP_057165.1	3
1600 SEOA5685a MIOA1130 SEOB1070	CGI-24 protein	AF132958.1	3
1601 SEOA7546a	CGI-29 protein	AF132963.1	3

## Figure 6A - Continued

seob6031 ncrb1874 1602 seob4735 miob0668 ncr7132 1603 MIOA6833a MIOA8088 ncr5291 1604 miob4957	CGI-86 protein (LOC51635)	NM_016029.1	3
ncrb5183 MIOA5605a 1605 SEOB1793 fcrb1435 mioa9263 1606 HFCR3209 fcrb2677 ncr7697 1607 MIOA6556a FCR3833 MIOB1583 1608 ncr9502	cytoplasmic dynein intermediate chain 1	AF123074	3
ncrb5183 MIOA5605a 1605 SEOB1793 fcrb1435 mioa9263 1606 HFCR3209 fcrb2677 ncr7697 1607 MIOA6556a FCR3833 MIOB1583 1608 ncr9502	FRA3B common fragile region, diadenosine triphosphate hydrolase (FHIT)	AF020503.1	3
ncrb5183 MIOA5605a 1605 SEOB1793 fcrb1435 mioa9263 1606 HFCR3209 fcrb2677 ncr7697 1607 MIOA6556a FCR3833 MIOB1583 1608 ncr9502	LIC-2 dynein light intermediate chain 53/55	U15138.1	3
ncrb5183 MIOA5605a 1605 SEOB1793 fcrb1435 mioa9263 1606 HFCR3209 fcrb2677 ncr7697 1607 MIOA6556a FCR3833 MIOB1583 1608 ncr9502	sorcin (SRI)	L12387.1	3
ncrb5183 MIOA5605a 1605 SEOB1793 fcrb1435 mioa9263 1606 HFCR3209 fcrb2677 ncr7697 1607 MIOA6556a FCR3833 MIOB1583 1608 ncr9502	collagen type IV alpha 1(COL4A1)	M26576	3
ncrb5183 MIOA5605a 1605 SEOB1793 fcrb1435 mioa9263 1606 HFCR3209 fcrb2677 ncr7697 1607 MIOA6556a FCR3833 MIOB1583 1608 ncr9502	fibrinogen-like 2 precursor;fibroleukin (RefSeq aa 2e-74)	NP_006673.1	3
ncrb5084 ncrc3020 1609 hfcr2963 hfcr7574 hfcr7971 1610 SEOA8945 ncr6704 ncr8468 1611 hfcr6129 ncrc3934 ncrc1661 1612 MIOA7482a ncr2391 ncrb2422 1613 miob6625 ncrb5035 MIOA7037a 1614 FCR0793N ncr7869 FCR0431 1615 seob7578 SEOA8825 hfcr0576 1616 MIOA7218a ncr0591 MIOA5718 1617 hfcr0476	glypican 1 (GPC1)	NM_002081.1	3
ncrb5084 ncrc3020 1609 hfcr2963 hfcr7574 hfcr7971 1610 SEOA8945 ncr6704 ncr8468 1611 hfcr6129 ncrc3934 ncrc1661 1612 MIOA7482a ncr2391 ncrb2422 1613 miob6625 ncrb5035 MIOA7037a 1614 FCR0793N ncr7869 FCR0431 1615 seob7578 SEOA8825 hfcr0576 1616 MIOA7218a ncr0591 MIOA5718 1617 hfcr0476	glypican 4 (GPC4)	NM_001448.1	3
ncrb5084 ncrc3020 1609 hfcr2963 hfcr7574 hfcr7971 1610 SEOA8945 ncr6704 ncr8468 1611 hfcr6129 ncrc3934 ncrc1661 1612 MIOA7482a ncr2391 ncrb2422 1613 miob6625 ncrb5035 MIOA7037a 1614 FCR0793N ncr7869 FCR0431 1615 seob7578 SEOA8825 hfcr0576 1616 MIOA7218a ncr0591 MIOA5718 1617 hfcr0476	laminin, beta 2 (laminin S)(LAMB2) mRNA	NM_002292.1	3
ncrb5084 ncrc3020 1609 hfcr2963 hfcr7574 hfcr7971 1610 SEOA8945 ncr6704 ncr8468 1611 hfcr6129 ncrc3934 ncrc1661 1612 MIOA7482a ncr2391 ncrb2422 1613 miob6625 ncrb5035 MIOA7037a 1614 FCR0793N ncr7869 FCR0431 1615 seob7578 SEOA8825 hfcr0576 1616 MIOA7218a ncr0591 MIOA5718 1617 hfcr0476	sarcospan (Sspn)	AF120276.1	3
ncrb5084 ncrc3020 1609 hfcr2963 hfcr7574 hfcr7971 1610 SEOA8945 ncr6704 ncr8468 1611 hfcr6129 ncrc3934 ncrc1661 1612 MIOA7482a ncr2391 ncrb2422 1613 miob6625 ncrb5035 MIOA7037a 1614 FCR0793N ncr7869 FCR0431 1615 seob7578 SEOA8825 hfcr0576 1616 MIOA7218a ncr0591 MIOA5718 1617 hfcr0476	AHNAK nucleoprotein	M80902.1	3
ncrb5084 ncrc3020 1609 hfcr2963 hfcr7574 hfcr7971 1610 SEOA8945 ncr6704 ncr8468 1611 hfcr6129 ncrc3934 ncrc1661 1612 MIOA7482a ncr2391 ncrb2422 1613 miob6625 ncrb5035 MIOA7037a 1614 FCR0793N ncr7869 FCR0431 1615 seob7578 SEOA8825 hfcr0576 1616 MIOA7218a ncr0591 MIOA5718 1617 hfcr0476	capping protein (actin filament), gelsolin-like (CAPG)	M94345	3
ncrb5084 ncrc3020 1609 hfcr2963 hfcr7574 hfcr7971 1610 SEOA8945 ncr6704 ncr8468 1611 hfcr6129 ncrc3934 ncrc1661 1612 MIOA7482a ncr2391 ncrb2422 1613 miob6625 ncrb5035 MIOA7037a 1614 FCR0793N ncr7869 FCR0431 1615 seob7578 SEOA8825 hfcr0576 1616 MIOA7218a ncr0591 MIOA5718 1617 hfcr0476	crystallin, zeta (quinone reductase) (CRYZ)	NM_001889.1	3
ncrb5084 ncrc3020 1609 hfcr2963 hfcr7574 hfcr7971 1610 SEOA8945 ncr6704 ncr8468 1611 hfcr6129 ncrc3934 ncrc1661 1612 MIOA7482a ncr2391 ncrb2422 1613 miob6625 ncrb5035 MIOA7037a 1614 FCR0793N ncr7869 FCR0431 1615 seob7578 SEOA8825 hfcr0576 1616 MIOA7218a ncr0591 MIOA5718 1617 hfcr0476	dystrophin (DMD)	M18533	3
ncrb5084 ncrc3020 1609 hfcr2963 hfcr7574 hfcr7971 1610 SEOA8945 ncr6704 ncr8468 1611 hfcr6129 ncrc3934 ncrc1661 1612 MIOA7482a ncr2391 ncrb2422 1613 miob6625 ncrb5035 MIOA7037a 1614 FCR0793N ncr7869 FCR0431 1615 seob7578 SEOA8825 hfcr0576 1616 MIOA7218a ncr0591 MIOA5718 1617 hfcr0476	keratin 10 (epidermolytic hyperkeratosis; keratosis palmaris et plantaris) (KRT10)mRNA =( acidic keratin-10 )=( keratin 10 type I intermediate filament )	NM_000421.1	3
mioa0567a hfcr0475 1618 MIOA7361a	protein 4.1-G, erythrocyte membrane protein (clone 24719)	AF054999	3
SEOA3664a FCR2669 1619 SEOB2966	myosin phosphatase target subunit 1 (MYPT1)	D87930.1	3

## Figure 6A - Continued

ncrc2128 seob5844 1620 hfc1304 fcrb2687 hfc8261	non-muscle alpha-actinin	U48734.1	3
1621 MIOA6721a ncrc6732 hfc4162	nonmuscle myosin heavy chain (NMHC)	M31013	3
1622 SEOA2786 MIOA8718 ncrb6071	tropomodulin (TMOD)	M77016	3
1623 SEOA6238 MIOA3390a SEOA9771	nuclear pore complex protein hnup153	Z25535	3
1624 SEOA6510a ncrc6457 miob6595	TIP120 (=AB020636 KIAA0829)	D87671	3
1625 hfc0543 hfc3760 fcrb0040	angiotensin receptor-like 2 (AGTRL2), mRNA	NM_005162.2	3
1626 SEOB0745 FCR0882 SEOB1812	B4-2 protein	U03105.1	3
1627 seoa4922a	diazepam binding inhibitor (GABA receptor modulator, acyl-Coenzyme A binding protein) (DBI), mRNA /cds=(0,314) /gb=NM_020548 /gi=10140852 /ug=Hs.78888 /len=537	Hs.78888	3
ncrc0984 ncrc6756 1628 seob7209 FCR1486 ncrc6497	glucocorticoid receptor (GRL) gene	U80947.1	3
1629 hfc9362 ncrc6257 ncrc0778	glutamate dehydrogenase 1 (GLUD1)	NM_005271.1	3
1630 hfc2803 hfc2938 FCR0706	HindIII K4L ORF (HU-K4)	NM_012268.1	3
1631 FCR4604 ncrc4012 FCR7029	inositol 1,4,5-triphosphate receptor, type 3 (ITPR3)	U01062	3
1632 MIOA5131a ncr5183 ncr1653	insulin receptor substrate-2 (IRS2)	AF073310	3
1633 ncrb8064 fcrb2031 fcrb2075	interleukin 11 receptor, alpha (IL11RA)	NM_004512.1	3
1634 fcrb0972 ncr7638 ncrc3008	leptin receptor gene-related protein (HSOBRGRP)	NM_017526.1	3
1635 SEOB0815 ncr1172 SEOB3004	multiple membrane spanning receptor TRC8 (TRC8)	AF064801.1	3
1636 MIOA2616a ncrb1603 SEOA9912	orphan G protein-coupled receptor (RDC1)	U67784	3
1637 seob7533 ncr7023 seob6515	regulator of G-protein signalling 2, 24kD (RGS2)	NM_002923.1	3

## Figure 6A - Continued

1638	ncrc5317 ncrc3408 MIOA6502a	regulator of G-protein signalling 5 (RGS5)	AF159570.1	3
1639	SEOB0321 seob5012 ncr9982	retinoic acid repressible protein (RARG-1)	AF172066.1	3
1640	seob4068 hfc6648 hfc7052	SGRF	AB030001.1	3
1641	ncrc0288  ncrc2784 ncrc9160	transforming growth factor, beta receptor III (betaglycan, 300kD) (TGFB3), mRNA	NM_003243.1	3
1642	ncr7904 ncrb2918 ncrc7168	14-3-3 gamma	AB024334.1	3
1643	MIOA7169a MIOA7206a SEOA6076a	cAMP-dependent protein kinase subunit RII-beta	M31158	3
1644	seob4192 hfc7519 ncrc4991	CDC-like kinase (CLK)	NM_004071.1	3
1645	SEOB2185 ncrc6818 MIOA8542	mitogen-activated protein kinase 14 (MAPK14)	4503068	3
1646	miob0175  mioa7804a seoa7838a	protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue specific extinguisher 1) (PRKAR1A)	NM_002734.1	3
1647	hfc3834  ncrb3267 ncr5407	Ser/Arg-related nuclear matrix protein (plenty of prolines 101-like) (SRM160)(ORF)	NM_005839.1	3
1648	ncr4212 FCR2253 ncrc6276	serum-inducible kinase (SNK)	AF223574.1	3
1649	MIOA5540a ncrc4532 hfc9293	tyrosylprotein sulfotransferase-1(TPST1)	AF038009	3
1650	MIOA0152 hfc3695 ncrb5637	GTPase-activating protein ras p21 (RASA)	M23379	3
1651	MIOA3060a miob6707 SEOA3662a	rab11a GTPase	AF000231	3
1652	seob2308  MIOA7283 MIOA3092a	rab3 GTPase-activating protein, non-catalytic subunit (150kD) (RAB3-GAP150)(ORF)	NM_012414.1	3
1653	miob6401 ncrc4318 seob6454	ralA binding protein 1 (RALBP1)	NM_006788.1	3
1654	SEOA4586 MIOA2203a SEOA4373a	ras-related YPT1 protein (ORF)	P11476	3
1655	MIOB2645 ncrb2221 ncr8639	signal transduction protein (SH3 containing) (EFS2)	gi5031680	3
1656	miob5892	CC chemokine gene cluster	AF088219.1	3



## Figure 6A - Continued

hfc1712 ncr4933 1657 hfc8385	EGR1 gene for early growth response protein 1 (=zinc finger protein)(= transcription factor ETR103)	AJ243425.1	3
ncrb4170 hfc9947 1658 MIOA4632a	growth differentiation factor 10 (GDF10) =D49492 = bone morphogenetic protein-3b	NM_004962.1	3
mioa0557a miob0675 1659 ncrb3903	quiescin Q6 (QSCN6)(= bone-derived growth factor (BPGF-1))	NM_002826.1	3
fcrb1657 ncrc6280 1660 MIOA8796 FCR0639 MIOB2105	SDF2	D50645	3
1661 SEOB1213 seob4844 seob4338	seCRetory growth factor-like protein fallotein	AF091434.1	3
1662 seob3751	uncharacterized bone marrow protein BM036 (BM036),(ORF)	NM_018453.1	3
ncrc5385 ncrb0788 1663 ncr1494	WNT1 inducible signaling pathway protein 3 (RefSeq aa 5e-38)	NP_003871.1	3
ncrb1217 ncrb3121 1664 hfc8864 hfc7510 FCR4026	ADP-ribosylation factor-like 2 (ARL2)	NM_001667.1	3
1665 seob4095	ARP2 (actin-related protein 2, yeast) homolog (ACTR2)	NM_005722.1	3
hfc7541 ncrb6807 1666 SEOA0840 hfc2643 FCR2504	beta-catenin	X87838	3
1667 SEOB1238 MIOA2093 MIOA2301a	Ca2-activated neutral protease large subunit (CANP)	M23254.1	3
1668 ncrb7027	calcium/calmodulin-dependent serine protein kinase (MAGUK family) (CASK)	NM_003688.1	3
MIOA5357a MIOA5595a 1669 seob6000	hHDC for homolog of Drosophila headcase (LOC51696)	NM_016217.1	3
ncrb5295 seob7394 1670 miob3693 ncrb4515 ncrc0296	MAX-interacting protein 1 (MXI1)	NM_005962.1	3
1671 SEOA7893a MIOA8196 SEOA8402a	Opa-interacting protein OIP2	AF025438	3
1672 MIOA5608a ncr9763 ncr9039	Sprouty 2 (SPRY2)	AF039843	3

## Figure 6A - Continued

1673	seoa7808a	POM121 membrane glycoprotein (rat homolog)-like 2 (POM121L2), mRNA /cds=UNKNOWN /gb=NM_033482 /gi=15718529 /ug=Hs.8198 /len=154066	Hs.8198	3
	seoa4956a			
	seoa4985a			
1674	miob3705	voltage-dependent anion channel 2 (VDAC2), nuclear gene encoding mitochondrial protein	NM_003375.1	3
	ncrb0230			
	mioa7783a			
1675	ncr2591	alpha-parvin (PARVA)	AF237771.1	3
	ncrb1534			
	ncrc1274			
1676	miob1350	claudin-12 gene (CLDN12)	AJ250713.1	3
	ncr3314			
	ncrb2448			
1677	SEOB1449	C-type lectin	BAA95671.1	3
	ncrc6787			
	MIOA6484a			
1678	SEOA4386a	integrin, alpha subunit 1(ORF)	X68742	3
	ncr3071			
	ncr7644			
1679	FCR2598	integrin-linked kinase (ILK)	U40282	3
	hfc6466			
	hfc9993			
1680	hfc6509	podocalyxin-like (PODXL)	NM_005397.1	3
	MIOB2107			
	miob4716			
1681	MIOA0497n	syntaxin 7	U77942	3
	MIOA8036a			
	ncrc6827			
1682	SEOB0047	DNA dependent ATPase and helicase (ATRX)	U72938.2	3
	ncr4693			
	ncr3596			
1683	FCR3181	histone H1 (0)	X03473	3
	FCR6945			
	hfc9927			
1684	SEOA2847n	histone H2A.Z= M37583	X52317	3
	MIOA1249			
	MIOA6228a			
1685	FCR5958	histone H2B	AJ223352	3
	fcrb1941			
	fcrb1960			
1686	SEOA8670	non-histone chromosomal protein HMG-14	M21339.1	3
	CR0718			
	miob5080			
1687	SEOA9140	cdk inhibitor p21 binding protein (TOK-1),(ORF)= AB040450.1	NM_016567.1	3
	ncrc3816			
	hfc6041			
1688	ncrb5737	cyclin L ania-6a (RefSeq aa 1e-66)	NP_064703.1	3
	ncrc4316			
	ncrb2757			
1689	FCR2417	GTP-binding protein (HSR1)	L25665	3
	FCR5127			
	FCR6703			
1690	SEOA1169A	GTP-binding protein(=KIAA0741)	AJ006412	3
	SEOB2937			
	ncr5440			

## Figure 6A - Continued

1691	SEOA9539	caspase 4, apoptosis-related cysteine protease (CASP4) (ORF)	NM_001225.1	3
	ncrb1295			
	ncr5992			
1692	MIOA6659a	inhibitor of apoptosis protein 2	U45879	3
	SEOA1352			
	MIOA2160a			
1693	ncr4208	polymerase (RNA) II (DNA directed) polypeptide K (7.0kD) (POLR2K)	NM_005034.1	3
	ncr2058			
	ncr6110			
1694	SEOB0085	inhibin, beta A (activin A, activin AB alpha polypeptide) (INHBA)	NM_002192.1	3
	SEOB1298			
	seob5123			
1695	SEOA4587	NCK adaptor protein 1(NCK1)=X17576 melanoma mRNA for nck protein, showing homology to src (ORF)	NM_006153.1	3
	miob1334			
	ncr8026			
1696	HFCR3154	tumor suppressing subtransferable candidate 4 (TSSC4)	5032204	3
	hfc0342			
	HFCR3142			
1697	miob4668	ASCL3; CEGP1; C11orf14, C11orf15, C11orf16 and C11orf17	AJ400877.1	3
	fcr6124n			
	hfc0610			
1698	ncrb2916	brain cDNA, clone:QnpA-18828	AB049881.1	3
	ncr1455			
	ncrc2135			
1699	ncrb6936	brain-specific STE20-like protein kinase 3 (STK3)	AF083420.1	3
	fcrb1926			
	ncrc4302			
1700	SEOA6698a	DD6A4-1	AF034237	3
	SEOA7089a			
	SOA0134			
1701	MIOA4827a	expressed only in placental villi, clone SMAP47	AB019564	3
	mioa9515			
	MIOA4941a			
1702	fcrb2430	hypothetical gene supported by M29548; X03558; X16869; BC010735; BC014224; BC014377; BC014892; BC015777; NM_001402; NM_001403 (LOC138328), mRNA	XM_059967.1	3
	fcrb2379			
	miob6011			
1703	ncrc2133	hypothetical protein (RefSeq aa 4e-65)	NP_055701.1	3
	ncr5924			
	ncrc4645			
1704	SEOA1483n	KIAA0160	D63881	3
	ncrb2466			
	hfc0687			
1705	SEOA7251a	KIAA0594	AB011166	3
	miob4679			
	miob4950			
1706	ncrc5804	KIAA1128 protein, partial cds	AB032954.1	3
	ncrc9582			
	seob0992			
1707	SEOA1750a	PCTAIRE2	AB005540	3

## Figure 6A - Continued

seob5110 SOA0209				
1708 mioa9246 hfc7792 ncrc2484	PRO0989	AF116614	3	
1709 ncrc0742 miob2526 ncrb8760	PRO2221 (RefSeq aa 1e-34)	NP_061094.1	3	
1710 seoa8092	putative breast adenocarcinoma marker (32kD) (BC-2), mRNA /cds=(129,797) /gb=NM_014453 /gi=7656921 /ug=Hs.12107 /len=903	Hs.12107	3	
ncrb1899 seoa8091				
1711 MIOA8716 hfc72906 ncrc1952	transposon-like element	M23161	3	
1712 hfc72731 seob5048 ncrc1665	WSB1 isoform 2 (WSB1)	AF240696.1	3	
1713 MIOA8183 ncrb1891 ncrc3219	ATP cassette binding transporter 1 (ABC1)	AF165281.1	3	
1714 FCR1068	beta-1,4-galactosyltransferase (=D38551 hypothetical protien (KIAA0078))	D37790	3	
FCR5778 seob2327				
1715 hfc7438 SEOB1783 mioa9741	UDP-N-acetyl-alpha-D-galactosamine:polypeptide	NM_004481.1	3	
1716 MIOA0647 miob0441 MIOA6552a	long-chain acyl-CoA synthetase	D10040	3	
1717 ncrc3498	cytochrome b-245, beta polypeptide (chronic granulomatous disease) (CYBB), (= X-CGD gene involved in chronic granulomatous disease located on chromosome X)	NM_000397.2	3	
MIOA4572a ncrc6974				
1718 SEOA7334a	eukaryotic translation initiation factor 3, subunit 2 (beta, 36kD)	gi4503512	3	
fcrb1837 hfc76866				
1719 hfc7553 ncrc0455 ncrc3072	Sec31 protein	AF139184.1	3	
1720 SEOA2996a BFCW0493 seob8293	DNA-binding protein (CROC-1B)	U39361	3	
1721 seoa4896a	ring finger protein 13 (RNF13), mRNA /cds=(151,1296) /gb=NM_007282 /gi=6005863 /ug=Hs.6900 /len=2339	Hs.6900	3	
mioa9820 miob6796				
1722 seob8246 SEOA8728 SEOA2874	SPR-2 mRNA for GT box binding protein	X68560.1	3	
1723 ncr4337 ncrc6589 ncrb8712	T-box 15 (Tbx15)	NM_009323.1	3	

## Figure 6A - Continued

1724 hfc5045 SEOA9755 SEOA9781	zinc finger protein 207 (ZNF207)	NM_003457.1	3
1725 ncrb5537 ncrb5865 ncrc9619	alpha-2-macroglobulin precursor (RefSeq aa 1e-56)	NP_000005.1	3
1726 ncr9639 ncrc5162 ncr1475	transmembrane 4 superfamily member 6 (TM4SF6)	NM_003270.1	3
1727 FCR3615 seob4570 MIOA8946	cargo selection protein TIP47 (TIP47)(=PP17)	AF057140	3
1728 FCR2442 ncrc1129 hfc1127	coatamer protein (COPA)	U24105	3
1729 SEOA6612a miob4096 ncrb7369	CGI-43 protein	AF151801.1	3
1730 hfc0618 hfc7643 miob0776	novel RGD-containing protein (WS-3)	NM_006571.1	3
1731 hfc9881 fcr3676n fcrb1101	CDC42-binding protein kinase beta (DMPK-like)	XM_040911.1	3
1732 SEOA9082  hfc5205 ncrc1171	Rab5 GDP/GTP exchange factor homologue (RABEX5)	NM_014504.1	3
1733 FCR2107  BFCW0140 fcrb1257	heparin-binding neurite outgrowth promoting factor (genomic sequence)	S60110	3
1734 FCR3276 CR0740 FCR5880	parathymosin	M24398	3
1735 seob5962  SOA0608 SOA0604	calcium-binding protein in macrophages (MRP-8) macrophage migration inhibitory factor (MIF)-related protein(S100 calcium-binding protein A8 (calgranulin A))(= cystic fibrosis antigen (CFAg))	X06234.1	3
1736 ncr1231 ncrc5518 ncr6302	membrane nucleoside transporter (RefSeq aa 8e-89)	NP_055528.1	3
1737 ncrb1584  ncr7530 ncrc1633	pinin, desmosome associated protein(RefSeq aa 7e-34)	NP_002678.1	3
1738 ncr5369  hfc2966 ncrc2171	high-mobility group (nonhistone chromosomal) protein 14 (HMG14)	NM_004965.1	3
1739 fcrb0171  SEOA5448 BFCW0332	RCC1 gene, exons 1, 2, 3,4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, complete cds= P18754  CELL CYCLE REGULATORY PROTEIN	D00591.1	3
1740 hfc1378 hfc3808	XPB/ERCC-3-like protein	Y17148.1	3

## Figure 6A - Continued

hcr0467			
1741 SEOA2874	GT box binding protein (SPR-2)	X68560	3
SEOA8728			
seob8246			
1742 ncr1765	ribosomal 45S pre rRNA gene	X82564.1	3
ncrc5255			
ncrb7610			
1743 hcr3922	flap structure-specific endonuclease 1 (FEN1), mRNA	NM_004111.3	3
hcr5591			
hcr3922			
1744 ncr2745	postmeiotic segregation increased ( <i>S. cerevisiae</i> ) 2 (RefSeq aa 1e-67)	NP_000526.1	3
ncrb4798			
ncrc2745			
1745 fcrb0194	eukaryotic translation elongation factor 1 alpha 1-like 14 (EEF1A1L14)	NM_001403.1	2
fcrb0386			
1746 SEOA4081	ribosomal 28S RNA	M11167	2
ncr5632			
1747 ncr4522	zinc-finger, splicing (RefSeq aa 4e-74)	NP_005446.1	2
ncr5376			
1748 seob6670	DNA repair helicase (ERCC3)	M31899.1	2
MIOA8728			
1749 hcr4462	minichromosome maintenance deficient ( <i>S. cerevisiae</i> ) 3 (MCM3)	NM_002388.2	2
FCR0915			
1750 miob6124	NRF1 protein (NRF1)= non-functional folate binding protein	L24123.1	2
ncrb1109			
1751 SEOB2807	RNA binding motif, single stranded interacting protein 1 (RBMS1)	gi8400721	2
ncr6703			
1752 ncr8709	beta-netrin	AF278532	2
ncrb6592			
1753 SEOA7553a	kinesin (heavy chain)	X65873	2
ncr7801			
1754 ncr6881	bamacan (RefSeq aa 1e-76)	NP_005436.1	2
ncrb1740			
1755 hcr5232	cartilage oligomeric matrix protein (COMP)	NM_000095.1	2
hcr7454			
1756 FCR7199	collagen type X alpha 1(COL10A1)	X72580	2
miob6336			
1757 hcr0074	chemokine-like factor 1 (CKLF1)	AF096895.1	2
hcr0170			
1758 miob3411	ecotropic viral integration site 2A (EVI2A)	NM_014210.1	2
ncrb4460			
1759 miob6226	apoptosis inhibitor (IEX-1L) gene	AF071596.1	2
hcr2815			
1760 FCR1976	fructose 1,6-diphosphate aldolase A (=X05236;M11560;X12447)	M21190	2
MIOA7258a			
1761 SEOA6470a	UDP-GalNAc:polypeptide N- acetylgalactosaminyltransferase (T1)	X85018	2
miob4741			
1762 FCR4570	NADH:ubiquinone oxidoreductase B15 subunit (mitochondrial)	AF044957	2
SEOA7072a			
1763 miob5713	aspartate beta-hydroxylase (ASPH)	NM_004318.1	2
FCR2135			

## Figure 6A - Continued

1764 SEOA2209a SEOA2858	fragile X mental retardation protein 1 homologue FXR1	U25165	2
1765 miob6521	protein disulfide isomerase related protein (ERp72) (clone pA3)	J05016.1	2
FCR5687			
1766 seob4035 ncrb7048	ubiquitin specific protease 16 (USP16)	NM_006447.1	2
1767 miob1827 ncr5151	retinoblastoma-like 2 (p130)(RBL2)	NM_005611.1	2
1768 ncr4474 ncr5061	U6 snRNA-associated Sm-like protein 2e-32	NP_036454.1	2
1769 SEOA0010 FCR7051	autoantigen	L05425	2
1770 hfc1856 CR0044	microtubule-associated protein 4 (MAP4)	NM_002375.1	2
1771 miob7009 ncr0690	RBP1-like protein (LOC51742)	NM_016374.1	2
1772 ncr4194 SEOA9423	glioma pathogenesis-related protein (GliPR)	U16307.1	2
1773 SEOB0221	SMT3 (suppressor of mif two 3, yeast) homolog 1 (SMT3H1)	NM_006936.1	2
miob5747			
1774 miob3955 ncrb6903	surface glycoprotein	Z50022.1	2
1775 SEOB3517 ncrc2641	tetratricopeptide repeat domain 1 (TTC1)	NM_003314.1	2
1776 hfc9287 hfc7989	ATPase, vacuolar, 14 kD (ATP6S14)	NM_004231.1	2
1777 seob8301	solute carrier family 20 (phosphate transporter), member 1 (SLC20A1) (=L20859.1 leukemia virus receptor 1)	7382462	2
miob6354			
1778 MIOA6093a SEOA0482	glycogen phosphorylase	Y15233	2
1779 MIOA3793	ribonuclease L (2',5'-oligoadenylate synthetase- dependent) inhibitor (RNASELI)	4506558	2
SEOA1044a			
1780 FCR6299	cytochrome c oxidase subunit VII-related protein (COX7RP)	AB007618	2
SEOA0729a			
1781 MIOA5813a	lymphocyte dihydropyrimidine dehydrogenase (DPYD)	U20938	2
SEOA8927			
1782 ncrb1337	eukaryotic translation initiation factor 3, subunit 7 (zeta, 66/67kD)	NM_003753.1	2
hfc3509			
1783 hfc1904 hfc1098	chaperonin containing TCP1, subunit 7 (eta) (CCT7)	NM_006429.1	2
1784 SEOB3090	ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase) (UCHL3)	NM_006002.1	2
miob0263			
1785 SEOB2657	ubiquitination factor E4A (homologous to yeast UFD2) (UBE4A)	4759287	2
hfc7704			
1786 miob3700 miob3413	Vacuolar protein sorting 26 (yeast homolog) (VPS26)	NM_004896.1	2
1787 MIOA4818a	cAMP responsive element binding protein-like 2 (CREBL2)	NM_001310.1	2
MIOA0190			

## Figure 6A - Continued

1788	SEOA7099a FCR2127	erg protein (ets-related gene)	M21535	2
1789	hfc0300 ncr2123	Id3 gene for HLH type transcription factor	X73428.1	2
1790	hfc3413 hfc6286	Kruppel-like factor (LOC51713)	NM_016270.1	2
1791	seob3367  ncrc5021	THYROID HORMONE-INDUCED PROTEIN B PRECURSOR (aa 9e-21, 59%)	Q91641	2
1792	MIOA5212a FCR6546	zinc finger transCRiptional regulator (GOS24)	M92844	2
1793	ncr5341	splicing factor, arginine/serine-rich 3 (RefSeq aa 5e-32)	NP_003008.1	2
1794	seob8073 hfc1886	chromodomain helicase DNA	NM_001271.1	2
1795	hfc8821  hfc4014	keratocan (KERA), (=keratocan gene, promoter)( keratan sulfate proteoglycan )	NM_007035.2	2
1796	hfc9342 hfc9728	beta tropomyosin (TPM2) gene	AF209746.1	2
1797	hfc9822  hfc7948	muscle mRNA for embryonic myosin heavy chain (SMHCE)	X15696.1	2
1798	SEOA9997 MIOA4295a	nuclear receptor coactivator (=TRBP)	AF245115	2
1799	hfc3398 seob5981	protein tyrosine kinase 9 (PTK9)	NM_002822.1	2
1800	SEOA7555a MIOA7093a	serine kinase SRPK2	U88666	2
1801	miob3131  ncr9964	bone morphogenetic protein 6 (BMP6)(= transforming growth factor-beta(tgf-beta) )	NM_001718.2	2
1802	SEOA5106a SEOA4443a	cell adhesion molecule (CD44)	M59040	2
1803	SEOA3839  ncr9092	C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 2 (activation- induced) (CLECSF2) (=E17140; X96719)	4826676	2
1804	FCR2821 hfc3039	cyclin-dependent kinase 4 (CDK4)	U37022	2
1805	ncr9113  ncrb7006	WEE1 gene for protein kinase and partial ZNF143 gene for zinc finger transcription factor	AJ277546.1	2
1806	ncr2807 ncrc4772	programmed cell death 4 (RefSeq aa 7e-54)	NP_055271.1	2
1807	SEOA1770a FCR6285	130 kD Golgi-localized phosphoprotein (GPP130)	U55853	2
1808	miob0960 ncrb0150	ALL-1 gene	Z69780.1	2
1809	mioa9304 FCR4952	deleted in pancreatic carcinoma (DPC4) gene, exon 3	AF045440.1	2
1810	miob1939 ncr1754	E-1 enzyme (MASA)	AF113125.1	2
1811	SEOA4675a  FCR1919	FSHD-associated repeat DNA, proximal region=(AK001145) unnamed protein product (ORF)	U85056	2
1812	miob2881 hfc0394	GalNAc-T2 gene	Y10344.1	2



## Figure 6A - Continued

1813	hfc0400 SEOA5665a	glycolipid transfer protein (LOC51228)	NM_016433.1	2
1814	hfc2836 seoa7879a	golgi autoantigen, golgin subfamily a, 3 (GOLGA3)	NM_005895.1	2
1815	ncr6232 SEOB1770	KIAA0068 gene	D38549.1	2
1816	miob3927 ncrc9225	KIAA0423	AB007883.1	2
1817	FCR3278 miob6061	KIAA0738	AB018281	2
1818	hfc5383 miob3797	leukemogenic homolog protein (MEIS1)	U85707.1	2
1819	ncr4180  hfc0424	nuclear autoantigenic sperm protein (histone-binding) (NASP)	NM_002482.1	2
1820	MIOB0336  FCR5560	p21WAF1/CIP1 promoter-interacting protein (=KIAA0547)	AF265443.1	2
1821	SEOA5746a hfc2656	tetracycline transporter-like protein	D88315	2
1822	ncr2486  ncrc9462	lung type-I cell membrane-associated glycoprotein (RefSeq aa 2e-47)	NP_006465.1	2
1823	SEOA4289a MIOA8965	acyl-coenzyme A:cholesterol acyltransferase (ORF)	L21934.2	2
1824	FCR7656 MIOA8657	casein kinase II alpha subunit	M55268	2
1825	ncr3782  seoa7973	protein tyrosine phosphatase type IVA, member 1 (PTP4A1)	NM_003463.1	2
1826	miob4126  miob5731	protein tyrosine phosphatase, non-receptor type 12 (PTPN12)	NM_002835.1	2
1827	miob6702  ncr0140	protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase) (PTPN13)	NM_006264.1	2
1828	miob5770 mioa9210	5'-3' exoribonuclease 2 (XRN2)	NM_012255.1	2
1829	ncrb1670  hfc2526	APEX nuclease (multifunctional DNA repair enzyme) (RefSeq aa 4e-74)	NP_001632.1	2
1830	fcrb0743  fcrb1339	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase (CAD)	NM_004341.1	2
1831	hfc7977  ncrb4849	phosphoribosyl pyrophosphate synthetase-associated protein 1 (PRPSAP1)	NM_002766.1	2
1832	MIOA3103a MIOA3255a	aldehyde dehydrogenase (ALD10), miCRosomal	U46689	2
1833	hfc4176  ncrb4057	low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor) (LRP1)	NM_002332.1	2
1834	MIOA1848a  SEOA7219a	NADP dependent cytoplasmic malic enzyme (=U43944)	X77244	2
1835	SEOB3156 hfc3476	hyaluronan-binding protein precursor (HABP1)	AF275902.1	2

## Figure 6A - Continued

1836 miob6797	leucine rich repeat (in FLII) interacting protein 1 (LRRFIP1) (=GCF2)	NM_004735.1	2
seob5570			
1837 miob3360	serine-rich protein	AF246705.1	2
hfcr9600			
1838 SEOA7086a	EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 10 (EIF-3 THETA) (EIF3 P167) (EIF3 P180) (EIF3 P185) (KIAA0139)	spQ14152	2
ncr4929			
1839 FCR7208	translation initiation factor eIF-3 p110 subunit	U46025	2
FCR0333			
1840 SEOA2345a	metalloprotease/disintegrin/cysteine-rich protein precursor (MDC9) (=D14665 KIAA0021)	U41766	2
MIOA2986a			
1841 seob5144	proteasome (prosome, macropain) activator subunit 1 (PA28 alpha) (PSME1)	NM_006263.1	2
SEOB1350			
1842 SEOA5253a	weak similarity to Arabidopsis thaliana ubiquitin-like protein 8 (77% ORF)	U88173	2
SEOA8223			
1843 MIOA1662a	cullin 3 (CUL3) (=AB014517 KIAA0617)	gi4503164	2
hfcr1771			
1844 seob7896	cyclophilin 40	D63861.1	2
SEOA1009n			
1845 hfcr9249	cellular retinoic acid-binding protein 2 (CRABP2)	NM_001878.2	2
FCR0599			
1846 FCR5721	DNA binding protein NAK1	D49728	2
BFCW0542n			
1847 miob4385	host cell factor 2 (HCF-2)	NM_013320.1	2
seob4297			
1848 miob3798	LIM protein (similar to rat protein kinase C-binding enigma) (LIM)	NM_006457.1	2
ncrb3171			
1849 SEOA0158	von Hippel-Lindau binding protein (VBP-1)	U96759	2
ncr1257			
1850 miob3348	heterogeneous nuclear ribonucleoprotein F (HNRPF)	NM_004966.1	2
ncrc2490			
1851 HFCR3197	poly(A)-binding protein, nuclear 1 (PABPN1)	gi4758875	2
ncrb2288			
1852 hfcr9032	Sjogren syndrome antigen A1 (SSA1)	NM_003141.1	2
miob1342			
1853 seob7613	core-binding factor, runt domain, alpha subunit 2; translocated to, 1; cyclin D-related (CBFA2T1)	NM_004349.1	2
ncrc9488			
1854 SEOA1362a	membrane component, chromosome 17, surface marker 2 (ovarian carcinoma antigen CA125) (M17S2) (=X76952 IAI.3B; D30756 KIAA0049)	gi5174504	2
ncr8524			
1855 MIOA7088a	X-ray repair complementing defective repair in Chinese hamster cells 4 (XRCC4) (=U40622)	gi4507944	2
SEOA6203a			
1856 miob4975	factor I (C3b/C4b inactivator)	J02770.1	2
miob6272			
1857 SEOB3370	MHC class II HLA-DR-beta	M20430.1	2
SEOA3192			
1858 hfcr1743	CGI-45 protein (LOC51094)	NM_015999.1	2
fcrb1813			
1859 ncr3325	golgi matrix protein GM130 (GOLGA2) (non-exact 78% a.a.) %FL	AAF65550.1	2

## Figure 6A - Continued

ncrb7460			
1860 ncr9096	EGF-like repeats and discoidin I-like domains 3 (RefSeq aa 28-55)	NP_005702.1	2
ncrc3465			
1861 FCR0536	fibrillin-2	U03272	2
HFCR3251			
1862 seob5493	fibulin 5 (FBLN5)	NM_006329.1	2
ncrb0611			
1863 hfcr2979	microfibrillar-associated protein 1 (MFAP1)	NM_005926.1	2
ncr1104			
1864 ncr3052	actin-binding LIM protein (ABLM)	NM_006719.2	2
ncrc4669			
1865 hfcr9445	thyroid autoantigen 70kD (Ku antigen) (G22P1)	NM_001469.1	2
hfcr0428			
1866 SEOA7178a	vinculin	M33308	2
SEOB3155			
1867 SEOA5239a	cardiac myosin binding protein-C (ORF)	X84075	2
MIOA4106			
1868 SEOB3462	tropomyosin 4 (TPM4)	Y00169.1	2
hfcr2715			
1869 hfcr6841	troponin T3, skeletal fast (TNNT3)	NM_006757.1	2
hfcr7396			
1870 hfcr2536	lamin B receptor (LBR)	NM_002296.1	2
ncrb4988			
1871 seob4987	surfeit 1 (SURF1)	NM_003172.1	2
ncr7098			
1872 SEOA5455	unc-50 related protein homologue	AF077038.1	2
miob4351			
1873 MIOA1906a	100 kDa coactivator	U22055	2
miob4490			
1874 ncr6401	diphtheria toxin receptor (heparin-binding epidermal growth factor-like growth factor)(DTR)	NM_001945.1	2
ncrc6846			
1875 SEOA8609	Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide (FCER1G)	gi4758343	2
ncrb1563			
1876 FCR7045	fibroblast growth factor receptor (FGFR-4)	X57205	2
hfcr7360			
1877 ncr2015	G protein-coupled receptor 23 (GPR23)	NM_005296.1	2
ncrc1236			
1878 seob4676	stromal cell protein isoform	AF126024	2
hfcr0344			
1879 miob3763	mitogen-activated protein kinase kinase kinase kinase 4 (MAP4K4)	NM_004834.1	2
miob6081			
1880 ncr4683	protein kinase, cGMP-dependent, type I (PRKG1)	NM_006258.1	2
MIOA8228			
1881 ncrb6337	serine/threonine protein kinase MASK (LOC51765)	NM_016542.1	2
ncrb8443			
1882 hfcr3690	guanine nucleotide binding protein 10 (GNG10)	NM_004125.1	2
ncr2251			
1883 SEOB0879a	angiopoietin-related protein	AF153606.1	2
seob5223			
1884 hfcr2846	macrophage migration inhibitory factor (glycosylation-inhibiting factor)(MIF)	NM_002415.1	2
FCR1351			
1885 SEOA9343	uncharacterized hypothalamus protein HTMP (LOC55858)(ORF)	NM_018475.1	2
hfcr7790			

## Figure 6A - Continued

1886 FCR7418 ncr1460	histone H2A.F/Z variant (H2AV)	AF081192	2
1887 SEOA0823 FCR1081	C-1	U41816	2
1888 SEOB0046 seob7294	cyclin-D binding Myb-like protein	AF084530.1	2
1889 hfc4489 SEOB0263	GTP-binding protein G25K	AL121737.1	2
1890 miob4213  hfc9949	reverse transcriptase homolog - human retrotransposon L1	pir 138588	2
1891 SEOA2734 SEOB3221	ATP binding protein	AB006679	2
1892 miob6486 miob5426	BCL2 gene, exon 3 and breakpoint region	AF217803.1	2
1893 hfc5691 hfc3551	PRP4/STK/WD splicing factor (HPRP4P)	NM_004697.1	2
1894 miob6351 hfc1713	tumor protein D52-like 1 (TPD52L1)	NM_003287.1	2
1895 FCR1388N hfc2948	7-60 (gene)	AF112980	2
1896 MIOA6471a SEOA4811a	activated in tumor suppression	AJ012502.1	2
1897 fcrb2100 ncrc4196	adipose differentiation-related protein (ADFP)	XM_048266.2	2
1898 seob6279 hfc0901	ALL1-fused gene from chromosome 1q (AF1Q)	NM_006818.1	2
1899 SEOB1860 SEOA6687a	AML1 AML1c protein (alternatively spliced product)	D43969.1	2
1900 miob4956 MIOA2977a	antigen NY-CO-10 (NY-CO-10)	AF039692.1	2
1901 ncrb2754 ncrb8537	BABP gene for bile acid-binding protein [AKR 1C2]	AB032151.1	2
1902 mioa9429 ncrc9473	beige-like protein (BGL)	M83822.1	2
1903 SEOA4457a  fcrb0140	BRCA2 region= ARP2/3 protein complex subunit 34 (ARC34)(ORF)	U50523	2
1904 SEOA0772n SEOA1782a	Brush-1=tumor suppressor (=AB020707 KIAA0900)	S69790	2
1905 seob5214 FCR6088	BTK region clone 2f10-rpi	U01925.1	2
1906 hfc6265  fcrb2255	candidate tumor suppressor p33 ING1 homolog (LOC51147)	NM_016162.1	2
1907 SEOA9161  SEOA9365	CG14483 gene product (35% ORF) [Drosophila melanogaster]	AE003802	2
1908 SEOB1678 ncr2243	chitinase, di-N-acetyl- (CTBS)	NM_004388.1	2
1909 ncrc1945  seob6224	COP9 (constitutive photomorphogenic, Arabidopsis, homolog) subunit 5 (RefSeq aa 8e-74)	NP_006828.1	2
1910 FCR4725 FCR6629	COP9 homolog (HCOP9)	U51205	2
1911 seob7944 SEOA9636	cytokine inducible SH2-containing protein 3 (Cish3)	gi6671757	2
1912 SEOA1067a	cytokine-inducible SH2 protein 6 (CISH6) (=AB014571 KIAA0671)	AF073958.1	2

Figure 6A - Continued

MIOA0409a			
1913 MIOA7347a	DAPIT protein	AJ271158	2
SEOA9513			
1914 MIOA1603a	Dim1p homolog (hdim1 )	AF023611	2
fcrb2234			
1915 MIOA6188a	DMA, DMB, HLA-Z1, IPP2, LMP2, TAP1, LMP7, TAP2, DOB, DQB2 and RING8	X87344	2
ncr9000			
1916 SEOB1196	Dmx-like 1 (DMXL1)	NM_005509.1	2
hfc1221			
1917 ncr5397	down-regulated in metastasis (DRIM)	NM_014503.1	2
MIOA0933			
1918 seob5592	downregulated in ovarian cancer 1 (DOC1)	NM_014890.1	2
hfc15791			
1919 miob6904	enhancer of invasion 10 (HEI10) (=DKFZp564A0772)	AF216381.1	2
ncr9647			
1920 seob6560	EXLM1	AB006651.1	2
FCR1653			
1921 MIOA7170a	FLI-LRR associated protein-1	AF045573	2
FCR2782			
1922 SEOA1901	fvt1	X63657	2
SEOB0247			
1923 MIOA2330a	GA17 protein (dendritic cell protein)	AF064603	2
FCR3115N			
1924 ncrb3107	GL004 protein (RefSeq aa 2e-34)	NP_064579.1	2
hfc1908			
1925 SEOA8754	glioma tumor suppressor candidate region protein 2	AAF62873.1	2
hfc17716			
1926 ncrb3077	guanylate binding protein 1, interferon-inducible, 67kD (RefSeq aa 4e-56)	NP_002044.1	2
ncrc0538			
1927 seob7614	HDCMA18P protein (HDCMA18P)	NM_016648.1	2
SEOB0210			
1928 ncr3397	HDCMC29P	AF068295.1	2
hfc19657			
1929 miob4822	hDj9 (=AL032657) (65% aa)	AB028859	2
ncrb6802			
1930 seob6415	HepG2 3' region Mbol cDNA, clone hmd3c06m3	D17196.1	2
miob6582			
1931 ncr3843	HP protein (HP)	AF026219.1	2
miob1954			
1932 SEOB1754	HSPC007 protein	NP_054737.1	2
ncrb8459			
1933 fcrb1120	HSPC023 protein (HSPC023), D2217	NM_014047.1	2
fcrb1918			
1934 hfc19837	HSPC043 protein mRNA, (=HSPC291)	AF161411.2	2
miob0537			
1935 miob2492	HSPC085	AF161348.1	2
ncrb3330			
1936 miob3199	HSPC095	AF161358.1	2
ncrc5413			
1937 ncr3528	HSPC115 mRNA,(= adenosine 5'-diphosphosugar pyrophosphatase (NUDT5))(= nudix (nucleoside diphosphate linked moiety X)-type motif 5 (NUDT5))	AF161464.1	2
mioa2522a			
1938 SEOA4163a	HSPC132 (ORF)	AF161481	2
fcrb1698			
1939 seob6386	HSPC133 protein (HSPC133) (=cDNA FLJ10459 fis)	NM_014168.1	2
ncr9297			

## Figure 6A - Continued

1940 ncrb0145 ncrb7315	HSPC134 protein (HSPC134)	NM_014169.1	2
1941 hfc1779 ncrc1053	HSPC229	AF151063.1	2
1942 SEOA4802a SEOB1549	HSPC250 (ORF)	AF151084	2
1943 SEOB0065 ncrb1836	HSPC292	AAF28970.1	2
1944 ncr0922 ncrb8183	HSPC302	AF161420.1	2
1945 ncrb7329  ncrc9674	HT005 protein (=ariadne (Drosophila) homolog 2 (ARIH2))(= TRIAD1 type I)	AF183427.1	2
1946 ncrb3348 ncrb2289	HT014 (HT014)	AF221595.1	2
1947 MIOA1301m BFCS0315n	HYA22	D88153	2
1948 ncr2695 miob6144	hypothalamus protein HT007 (RefSeq aa 2e-64)	NP_060950.1	2
1949 fcrb1492 fcrb1373	hypothetical gene (LOC115009)	XM_055020.1	2
1950 SEOB0688a hfc1330	intergenic DNA between SURF-2 and SURF-4	Y17214	2
1951 miob1967 mioa5679n	IRLB gene (exon5)	X82334.1	2
1952 FCR1844 hfc8628	ITBA1 protein	X92475	2
1953 fcrb1158 FCR7256	JM4 protein (JM4)	NM_007213.1	2
1954 MIOA7140a SEOB0106	KIAA0006	D25304	2
1955 SEOB1335 seob5089	KIAA0009	D13634.1	2
1956 MIOA1585 hfc3548	KIAA0010	D13635	2
1957 FCR6847 hfc3575	KIAA0017	D13642	2
1958 ncr04597  ncrc2025	KIAA0025 gene product; MMS-inducible gene (KIAA0025)	NM_014685.1	2
1959 FCR6700 hfc0862	KIAA0036	D25278	2
1960 hfc1395 hfc6778	KIAA0039 (ORF)	D26018.1	2
1961 MIOA3380a SEOB1589	KIAA0041	D26069	2
1962 SEOB3149 seob7753	KIAA0049	D30756.1	2
1963 miob3427 ncrc5813	KIAA0058	NM_014764.1	2
1964 SEOB0915 ncrb8403	KIAA0066	D31886.1	2
1965 miob6878 BFCS0484	KIAA0072 gene	D31889.1	2
1966 MIOA1006 ncr4779	KIAA0073 (cyclophilin related)	D38552	2
1967 ncr7249 ncr2212	KIAA0093	D42055.1	2
1968 miob3420	KIAA0095 gene	NM_014669.1	2

Figure 6A - Continued

1969	SEOA8890 hfc3962 hfc2042	KIAA0105	NM_004906.1	2
1970	SEOA7509a ncrb1859	KIAA0112	D25218	2
1971	FCR4722 ncr4515	KIAA0117	D38491	2
1972	miob4413 fcr4888	KIAA0155 gene	NM_014633.1	2
1973	ncrb0696 ncrb4398	KIAA0156 gene product (KIAA0156)	NM_014706.1	2
1974	SEOA8370a SEOA2747	KIAA0161	D79983	2
1975	SEOA1582a seob4356	KIAA0178	D80000	2
1976	FCR4634 hfc0207	KIAA0180	D80002	2
1977	miob5940 MIOA7280	KIAA0183 gene	D80005.1	2
1978	seob4254 FCR5975	septin 2 (SEP2)	AF179995.1	2
1979	SEOA4070 seob5582	KIAA0203	D86958	2
1980	FCR2116 hfc9280	KIAA0217	D86971	2
1981	ncrb6796 ncr7906	KIAA0225 gene	D86978.1	2
1982	SEOA2499 mioa9936	KIAA0227	D86980	2
1983	ncrb0200 ncrc2692	KIAA0228 gene	D86981.1	2
1984	hfc0486 hfc5829	KIAA0233	NM_014745.1	2
1985	FCR5228 hfc9294	KIAA0253	D87442	2
1986	FCR0609 SEOA8578	KIAA0254	D87443	2
1987	ncrb2909 ncrc3514	KIAA0258 gene	NM_014785.1	2
1988	mioa9649 ncrb3629	KIAA0266 gene, (ORF)	D87455	2
1989	fcrb0673 ncrb1593	KIAA0324	AB002322.2	2
1990	SEOA7943a ncrc8835	KIAA0353	AB002351	2
1991	MIOA1890a hfc2727	KIAA0368	AB002366	2
1992	fcrb0301 seob7096	KIAA0370 gene	AB002368.1	2
1993	FCR7623 ncrc6905	KIAA0447	AB007916	2
1994	SEOB1775 ncrc3108	KIAA0451	NM_014826.1	2
1995	FCR4240 FCR4246	KIAA0456	AB007925	2
1996	seob6268 hfc8498	KIAA0466 protein	AB007935.1	2
1997	FCR7063 ncr7647	KIAA0470	AB007939	2

## Figure 6A - Continued

1998 ncr2583 ncrb1548	KIAA0471 gene product (KIAA0471)	NM_014857.1	2
1999 SEOB3594 ncr6765	KIAA0475	NM_014864.1	2
2000 MIOA6034 miob5779	KIAA0480	AB007949	2
2001 hfcr7629 ncr7091	KIAA0488	AB007957.1	2
2002 SEOA9924 SEOB0235	KIAA0491	AB007960	2
2003 FCR4794 hfcr7345	KIAA0553	AB011125	2
2004 ncr5768 ncrc3119	KIAA0564 protein	AB011136.1	2
2005 SEOA3566a ncr7086	KIAA0611	AB014511	2
2006 fcrb2592 ncrc6715	KIAA0618 gene product (KIAA0618), mRNA	XM_018359.3	2
2007 FCR2307 HFCR3177	KIAA0638	AB014538	2
2008 MIOA6442a hfcr6655	KIAA0639	AB014539	2
2009 FCR6142 MIOA1299	KIAA0648	AB014548	2
2010 ncrb5837 ncrb8622	KIAA0689	AB014589.1	2
2011 ncrb3003 ncrc9232	KIAA0697 protein	AB014597.1	2
2012 ncr4190 ncr3936	KIAA0701 protein	AB014601.1	2
2013 SEOA4867a ncr6276	KIAA0727 (ORF)	AB018270	2
2014 SEOB3331 ncrb3557	KIAA0745	AB018288.1	2
2015 miob6164 seob4641	KIAA0761 protein	AB018304.1	2
2016 SEOA7672a ncrb1543	KIAA0762	AB018305.1	2
2017 SEOB0219 FCR5650	KIAA0765	AB018308.1	2
2018 hfcr2946 ncrb6815	KIAA0770	AB018313.1	2
2019 hfcr6256 ncrc4032	KIAA0772 gene	NM_014835.1	2
2020 ncrb5065 ncrc4315	KIAA0776 protein	AB018319.1	2
2021 SEOB3317 ncrc4074	KIAA0824 (=PCF11p homolog)	AB020631.1	2
2022 MIOA8064a miob0174	KIAA0830	AB020637.1	2
2023 SEOA0982n ncr2564	KIAA0843	AB020650.1	2
2024 ncr0920 ncrc1309	KIAA0847 protein	AB020654.1	2
2025 MIOA4245 seob2662	KIAA0862=leucine-rich repeat protein SHOC-2 (SHOC-2)=AF054828	AB020669	2
2026 MIOA6404a miob0072	KIAA0903(ORF)	AB020710	2



Figure 6A - Continued

2027	SEOB1385 miob4770	KIAA0907	AB020714.1	2
2028	hfcr8640 mioa4372a	KIAA0909 protein	BAA74932.1	2
2029	ncr1640 ncrb1181	KIAA0911 protein (KIAA0911),	NM_014944.1	2
2030	seob8835 ncrc9212	KIAA0914 gene product	NM_014883.1	2
2031	SEOB3203 miob2496	KIAA0934 protein	AB023151.1	2
2032	SEOA1190A hfcr2284	KIAA0947	AB023164.1	2
2033	FCR7381 FCR6064	KIAA0952	AB023169.1	2
2034	miob6483 ncrb4537	KIAA0955 protein (KIAA0955)	NM_014959.1	2
2035	SEOA4422a ncr8273	KIAA0978	AB023195	2
2036	miob3314 seoa4397a	KIAA0997	NM_014950.1	2
2037	SEOA5392 SEOA5270a	KIAA1014	AB023231.1	2
2038	SEOA2041 MIOA4713	KIAA1033	AB028956.1	2
2039	MIOA2340a ncr6842	KIAA1063	AB028986.1	2
2040	SEOA3181 hfcr8542	KIAA1064	AB028987.1	2
2041	hfcr6894 fcrb2176	KIAA1131	AB032957.1	2
2042	seob6109 hfcr0015	KIAA1137	AB032963.1	2
2043	hfcr8982 ncrc1573	KIAA1190	AB033016.1	2
2044	SEOB3510 SEOA9487	KIAA1223	AB033049.1	2
2045	miob0341 ncrb7959	KIAA1249 protein	AB033075.1	2
2046	ncr1437 ncrb0915	KIAA1287	AB033113	2
2047	hfcr5228 hfcr7449	KIAA1310	AB037731.1	2
2048	miob3038 miob1876	KIAA1338 protein	AB037759.1	2
2049	miob6182 miob2428	KIAA1350 protein	AB037771.1	2
2050	ncr2869 ncrc5341	KIAA1381	AB037802	2
2051	hfcr1811 ncrc4327	KIAA1404	AB037825.1	2
2052	seob7247 miob5660	KIAA1423	AB037844.1	2
2053	ncr4020 seob7046	KIAA1424 protein	AB037845.1	2
2054	SEOB2786 SEOB1871	KIAA1458	AB040891.1	2
2055	hfcr3486 ncr8295	KIAA1507(=FLJ20654)	AB040940.1	2
2056	seob3940	KIAA1518	AB040951	2

Figure 6A - Continued

2057	hfc5570 hfc2657 hfc4084	KIAA1519	AB040952.1	2
2058	ncr2013 ncrc0388	KIAA1536	AB040969.1	2
2059	ncrb7156 ncrc5100	KIAA1577	AB046797.1	2
2060	ncr0976 ncr1053	KIAA1610	AB046830.1	2
2061	ncrc0473 ncrc5645	KIAA1633 protein	BAB13459.1	2
2062	ncrc9022 ncrc9376	L13 protein (RefSeq aa 8e-78)	NP_054797.1	2
2063	MIOA0081a SEOA9211	La/SS-B protein	X69804	2
2064	seob5889 ncr9844	like mouse brain protein E46(E46L)	NM_013236.1	2
2065	SEOA2652 SEOA4515	lipoma HMGIC fusion partner (LHFP)	AF098807.1	2
2066	FCR4773	LQFBS-1 (=AB011087 hypothetical protein (KIAA0515))	AF062385	2
2067	seob4577 SEOA6557a SEOA0730a	male sterility protein 2-like protein	AJ272073	2
2068	seob7474 hfc6212	maternal G10 transcript (G10)	NM_003910.1	2
2069	SEOA3556a MIOA6290a	maternal-embryonic 3 (Mem3)	U47024	2
2070	hfc3757 ncrc0436	MCT-1 protein (MCT-1)	NM_014060.1	2
2071	ncr9664 ncrc9751	MDS011 (MDS011)	AF182424.1	2
2072	fcrb2189 fcrb2117	MEF3L1 MEF3 like 1	AB049150.1	2
2073	fcrb2040 ncrc0320	melanoma antigen, family D 1 (MAGED1)	NM_006986.2	2
2074	miob4057	meningioma (disrupted in balanced translocation) 1 (MN1)	NM_002430.1	2
2075	FCR1857 ncr3219 hfc5234	microspherule protein 1 (MCRS1)	NM_006337.1	2
2076	FCR6931 ncr9439	neuroblastoma-amplified protein	AF056195	2
2077	seob6032	Neurofibromatosis 1 locus on Chromosome 17 complete sequence	AC004526.1	2
2078	ncrb6040 hfc1217 ncrc5492	NICE-5 protein (=AF116721) PRO3094	AJ243666	2
2079	HFCR3207	non-metastatic cells 1, protein (NM23A) expressed in (NME1)	4557796	2
2080	fcrb1795 ncr3976	non-ocogenic Rho GTPase-specific GTP exchange factor (proto-LBC)	AF127481.1	2
2081	hfc5813 SEOB0156 ncrb4128	NY-REN-55 antigen (=DKFZp564L2416)	AF155113.1	2
2082	miob3594 ncr5585	p45SKP2-like protein (=FLR1)	AF157323.1	2

## Figure 6A - Continued

2083 MIOA7233a	p47 (=Y10769 R.norvegicus XY40 protein) (low match)	AF078856	2
ncr9101			
2084 ncrb2091	partial polr2H gene for RPB8, exons 1-5, and joined CDS (=RPB17)	AJ252079.1	2
ncrb2215			
2085 SEOA1924n	PB1	X90849	2
miob4697			
2086 MIOA0813	PBK1 protein	AJ007398.1	2
FCR4432			
2087 FCR4846	period (Drosophila) homolog (PER) (RIGUI) (=AB002107)	AF022991	2
seoa6787			
2088 MIOA9127	phosphoserine phosphatase-like (PSPHL)	NM_003832.1	2
hfc6222			
2089 SEOA1611a	PIBF1 protein	Y09631	2
SEOA2842			
2090 MIOA4751	PIX1 mRNA (ORF)	AF037219	2
ncrb1416			
2091 hfc9635	PRO2160	AF119863.1	2
hfc5896			
2092 ncr61615	PRO2275	AF119873.1	2
ncrb8090			
2093 hfc7721	PRO2898	AF116717.1	2
hfc5206			
2094 miob3271	PTD008 protein(=CGI-140 protein)	NM_016145.1	2
ncrb3104			
2095 miob1746	PTD009 protein (PTD009) (=HSPC172)	NM_016146.1	2
ncr7778			
2096 ncr9487	PTD016 protein (LOC51136)	NM_016125.1	2
ncrb6686			
2097 ncr4882	PTPRF interacting protein, bindingprotein 1 (liprin beta 1) (RefSeq aa 2e-35)	NP_003613.1	2
fcrb1653			
2098 ncr2643	putative Rab5-interacting protein(RefSeq aa 6e-34)	NP_061328.1	2
ncrb6174			
2099 fcrb2756	RD RNA-binding protein(RDBP), mRNA	NM_002904.3	2
ncrc3132			
2100 FCR6947	retinal short-chain dehydrogenase/reductase retSDR1	AF061741	2
MIOA4355a			
2101 seob3841	retrovirus-related leucine zipper protein p40 - human retrotransposon L1.1	I38587	2
ncrc9445			
2102 SEOA1886n	RETROVIRUS-RELATED POL POLYPROTEIN	spP11369	2
ncr5833			
2103 miob4333	REV1 protein (REV1)	NM_016316.1	2
ncrc6375			
2104 seoa8002	reversion-inducing-cysteine-rich protein with kazal motifs (RECK), mRNA /cds=(92,3007) /gb=NM_021111 /gi=11863155 /ug=Hs.29640 /len=4414	Hs.29640	2
fcrb2049			
2105 SEOB3262	rrlB operon	AF053965.1	2
SEOB3270			
2106 SEOB0298	SCID complementing gene 2	D78188.1	2
MIOA2006			
2107 mioa9357	SEC14 (S. cerevisiae)-like 1 (SEC14L1), mRNA	NM_003003.1	2
FCR0797			
2108 MIOA4753	SEC63 protein	AJ011779.1	2

## Figure 6A - Continued

miob5073 2109 MIOA6121a	single-strand selective monofunctional uracil DNA glycosylase	AF125182	2
FCR6581 2110 FCR6074	small glutamine-rich tetratricopeptide repeat (TPR) containing protein	AJ223828	2
hfc9130 2111 miob0075	SP100-HMG nuclear autoantigen (SP100)	AF056322.1	2
MIOA5508a 2112 seob6853	sperm autoantigenic protein 17 (SPA17)	NM_017425.1	2
hfc7295 2113 mioa1108m	sperm specific antigen 2 (SSFA2=M61199=cleavage signal 1 protein mRNA, (ORF)	NM_006751.1	2
ncrc5549 2114 ncr1032	splice variant AKAP350	AF091711.1	2
ncrc2957 2115 SEOB0166	stabilin-1 (stab1 gene) (=KIAA0246)	AJ275213.1	2
FCR1099 2116 hfc1083	SULT1C sulfotransferase (SULT1C)	NM_006588.1	2
hfc9041 2117 SEOB3455	TCTEL1 (t-complex-associated-testis-expressed 1-like 1)	D50663.1	2
miob5422 2118 ncr6578	testis specific protein	AF146738.1	2
fcrb1992 2119 ncr5384	TMEM1and PWP2	AB001523.1	2
ncrb1213 2120 MIOA0874a	torsin B (DQ1)	AF007872	2
FCR4650 2121 SEOA7341a	WD-40 repeat protein	AB024327.1	2
SEOA4181a 2122 SEOB2974	wild-type p53 activated fragment-1 (WAF1)	U03106.1	2
ncr1595 2123 hfc6720	WRN (WRN)	AF181897.1	2
ncrc9502 2124 SEOA2181a	WW domain binding protein 11	AF071186	2
fcrb1362 2125 MIOA6156a	WW domain binding protein 5	U92454	2
MIOA6730a 2126 SEOA2800	XRP2 protein (retinitis pigmentosa 2 (X-linked recessive) (RP2))	AJ007590	2
SEOA8542 2127 hfc9468	annexin A6 (ANXA6)	NM_004033.1	2
fcrb2224 2128 MIOA5054a	annexin VII (synexin)(ANX7)	NM_001156.2	2
ncr1276 2129 SEOA0070	ATP-specific succinyl-CoA synthetase beta subunit (SCS)	AF058953	2
SEOA1134a 2130 FCR6324	sodium calcium exchanger 1 (NCX1)	U83657	2
ncr5273 2131 seoa7046	solute carrier family 11 (proton-coupled divalent metal ion Hs.57435 transporters), member 2 (SLC11A2), mRNA /cds=(88,1773) /gb=NM_000617 /gi=10835168 /ug=Hs.57435 /len=4103		2
ncrc3011 2132 ncrb1085	solute carrier family 31 (copper transporters), member 2 (SLC31A2), (=putative copper uptake protein(hCTR2))	NM_001860.1	2

## Figure 6A - Continued

mioa7719a			
2133 hfc2616	6-phosphogluconolactonase (PGLS)	NM_012088.1	2
hfc1046			
2134 SEOA4608a	aldehyde oxidase gene=AOX1)	Z99567	2
ncrc3684			
2135 miob4735	alpha mannosidase II	U31520.1	2
FCR4216			
2136 hfc2629	hexokinase 2 (HK2)	NM_000189.1	2
hfc4186			
2137 MIOA6541a	Na -D-glucose cotransport regulator gene	X82877	2
MIOA8151			
2138 FCR1883N	oligosaccharyl transferase STT3 subunit homolog (B5) (integral membrane protein 1)	L38961	2
FCR3594			
2139 hfc5397	paraoxonase 2 (PON2)	NM_000305.1	2
ncr5053			
2140 hfc1689	phosphomannomutase	U86070.1	2
hfc1291			
2141 ncr4384	proteolipid protein 2 (colonic epithelium-enriched) (PLP2)	NM_002668.1	2
ncrc9432			
2142 ncr5621	RGL protein (RGL)	AF186779.1	2
ncrb6332			
2143 SEOB1783	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N- acetylgalactosaminyltransferase 7 (GalNAc-T7) (GALNAC-T7))	gi8393408	2
mioa9741			
2144 seob6872	protein phosphatase methylesterase-1 (PME-1)	NM_016147.1	2
hfc7632			
2145 SEOA5468a	protein tyrosine phosphatase, receptor type, F (PTPRF) =Y00815	NM_002840.1	2
ncr8232			
2146 seob4696	protein x 0004 (ORF)	AF117229	2
ncr0989			
2147 hfc1768	protein x 013	AF164793.1	2
hfc2915			
2148 hfc3496	TPI1 gene for triosephosphate isomerase	X69723.1	2
ncrb2857			
2149 MIOB2593	adenosine deaminase, RNA-specific (ADAR), transCRipt variant ADAR-c	gi7669474	2
MIOA0514			
2150 hfc3054	adenylosuccinate lyase(ADSL)	NM_000026.1	2
ncrc2265			
2151 SEOA5679a	adenylosuccinate synthetase	X66503	2
FCR7523			
2152 hfc0473	deoxyguanosine kinase (DGUOK)	NM_001929.1	2
fcrb1727			
2153 SEOB2685	deoxyribonuclease II	AF060222.1	2
ncr2431			
2154 ncr0475	inositol (myo)-1(or 4)-monophosphatase 1 (IMPA1),	NM_005536.2	2
ncrb6846			
2155 SEOB2085	nucleotide pyrophosphatase (=plasma cell membrane glycoprotein (PC-1))	D12485.1	2
SEOA9526			
2156 SEOA9792	p53R2 gene for ribonucleotide reductase, exon 9 and complete cds	AB036532.1	2
seob5455			
2157 seob6272	phosphoribosyl pyrophosphate synthetase-associated protein 2 (PRPSAP2)	NM_002767.1	2

## Figure 6A - Continued

SEOA6878			
2158 seob7883	phosphoribosylglycinamide formyltransferase (PGFT)	M32082.1	2
seob6162			
2159 FCR4831	purine nucleoside phosphorylase	X00737	2
ncrb4946			
2160 FCR6753	thymidylate synthase	D00596	2
fcrb0655			
2161 hfcr2658	1-acylglycerol-3-phosphate O-acyltransferase	Y09565.1	2
hfcr9511			
2162 SEOA2631	adaptor protein p150	Y08991	2
hfcr6201			
2163 FCR6637	mutant cerebroside sulfate activator protein (SAP-MU-6) (=J03015 sphingolipid activator protein 1)	M60258	2
FCR3707			
2164 SEOB0288	Niemann-Pick C disease protein (NPC1)	AF002020.1	2
BFCS0238			
2165 ncrb1719	5-methyltetrahydrofolate-homocysteine methyltransferase (MTR)	NM_000254.1	2
ncrc3991			
2166 MIOA5452a	AAPT1-like protein	AF047431.1	2
hfcr7461			
2167 SEOA1606a	acetyl-coenzyme A transporter	D88152	2
FCR4813			
2168 ncr3148	ARF protein	NM_016632.1	2
SEOA9518			
2169 seob5069	attractin precursor (ATRN) gene	AF218915.1	2
hfcr7938			
2170 miob2386	biliverdin reductase A (BLVRA)	NM_000712.1	2
FCR2779			
2171 ncrb5155	choline/ethanolaminephosphotransferase (CEPT1)	NM_006090.1	2
ncrc5176			
2172 FCR0824	enoyl-CoA hydratase/3-hydroxyacyl-CoA dehydrogenase alpha-subunit of trifunctional protein, mitochondrial	D16480	2
ncrc0865			
2173 SEOB0674a	galactocerebrosidase (GALC) gene	L38559	2
MIOA5233a			
2174 ncrb1625	hydroxysteroid (17-beta) dehydrogenase 4 (HSD17B4)	NM_000414.1	2
SEOA8399a			
2175 MIOA1445	methylmalonyl-CoA mutase (MCM)	M65131	2
ncrc0991			
2176 ncrb1646	nucleus-encoded mitochondrial aldehyde dehydrogenase 2 (ALDH2) gene	M20456.1	2
SEOA4739a			
2177 MIOA3598a	phospholipase C beta 4 (PLCB4)	L41349	2
MIOA4278			
2178 hfcr0061	phospholipase C-beta-3 (PLCB3)	U26425.1	2
hfcr0157			
2179 FCR1463	transacylase (DBT)	X66785	2
hfcr0005			
2180 MIOA1570	cytochrome c oxidase assembly protein COX11 (COX11)	AF044321	2
MIOA8963			
2181 SEOA9874	cytochrome c oxidase subunit VIa gene	U83702.1	2
fcrb2012			
2182 SEOA0066	mitochondrial 75 kDa iron sulphur protein	X61100	2
FCR7430			
2183 MIOA2343a	mitochondrial carrier homologue 2	AF176008.1	2

Figure 6A - Continued

ncrc0960			
2184 MIOA0848a	mitochondrial carrier protein ARALAR1	Y14494	2
MIOA2971a			
2185 SEOA3088a	mitochondrial cytochrome c oxidase Va subunit	M22760	2
HFCR3133			
2186 MIOA3512a	mitochondrial inner membrane translocase Tim23 (TIM23)	AF030162.1	2
FCR5152			
2187 FCR1994	NAD <sup>+</sup> -specific isocitrate dehydrogenase beta subunit precursor (mitochondrial)	U49283	2
FCR0432			
2188 ncrb7952	NADH dehydrogenase (ubiquinone) Fe-Sprotein 5 (15kD) NP_004543.1 (NADH-coenzyme Q reductase); Cl-15protein (RefSeq aa 2e-62)		2
ncrc5464			
2189 ncr5871	NADH dehydrogenase (ubiquinone) flavoprotein 2 (24kD) NM_021074.1 (NDUFV2)		2
seob4368			
2190 ncr1506	NADH dehydrogenase subunit {heteroplasmic G->A transition in codon 331}	S73804	2
ncrc2579			
2191 SEOA4327a	NADH dehydrogenase(ubiquinone) 1, subcomplex unknown, 2 (14.5kD, B14.5b)NDUFC2=AF087659 (ORF)	NM_004549.1	2
fcrb0126			
2192 SEOA2642	NADH dehydrogenase-ubiquinone Fe-S protein 8 23 kDa subunit (NDUFS8)	AF038406	2
hfcr9142			
2193 FCR3779	NADH:ubiquinone dehydrogenase 51 kDa subunit (NDUFV1) (mitochondrial)	AF053070	2
hfcr6059			
2194 miob5003	NADH:ubiquinone oxidoreductase B17 subunit	AF035840.1	2
FCR0043n			
2195 hfcr3557	oxidase (cytochrome c) assembly 1-like (OXA1L)	NM_005015.1	2
FCR4816			
2196 ncrb1409	PNAS-105 (=NADH dehydrogenase subunit 2 (ND2) gene, mitochondrial gene encoding mitochondrial protein),	AF275801.1	2
ncrc0209			
2197 MIOA8077	QUINONE OXIDOREDUCTASE (NADPH:QUINONE REDUCTASE) (ZETA-CRYSTALLIN)	spQ08257	2
SEOB1703			
2198 seob7907	succinyl CoA:3-oxoacid CoA transferase precursor (OXCT)	U62961.1	2
miob1125			
2199 miob0361	ubiquilin 2 (UBQLN2)	NM_013444.1	2
miob0837			
2200 ncr8067	antizyme inhibitor	NM_015878.1	2
ncrc1616			
2201 ncrb1373	arginase, type II (ARG2), nuclear gene encoding mitochondrial protein, (=vesicle-associated soluble NSF attachment protein receptor (v-SNARE; homolog of S. cerevisiae VT11))	NM_001172.2	2
ncrc3230			
2202 MIOA6726a	Asparaginyl tRNA Synthetase (NARS)	D84273	2
miob1776			
2203 ncr1235	dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit (DPM1)	NM_003859.1	2
fcrb1419			

## Figure 6A - Continued

2204 hfc0789 hfc5163	Fas-activated serine/threonine kinase (FASTK)	NM_006712.1	2
2205 fcrb1729 fcrb1484	golgi phosphoprotein 1 (GOLPH1)	XM_037292.1	2
2206 ncr0439  ncrc6468	isopentenyl-diphosphate delta isomerase (IDI1)(= homolog of yeast IPP isomerase)	NM_004508.1	2
2207 seob5007 hfc7430	isoprenylcysteine carboxyl methyltransferase (ICMT)	NM_012405.1	2
2208 ncr2044 fcrb1376	leucine zipper, down-regulated in cancer 1 (LDOC1)	NM_012317.1	2
2209 ncr6072 ncrb1713	leucine-rich protein	M92439.1	2
2210 FCR0392 FCR6585	lysyl hydroxylase (=L06419)	M98252	2
2211 ncr9003 ncrb0732	Npw38-binding protein NpwBP (LOC51729)	NM_016312.1	2
2212 BFCN0197 MIOA7593a	ORNITHINE DECARBOXYLASE (ODC)	spP00860	2
2213 ncr6811  ncrb0787	phenylalanyl-tRNA synthetase beta-subunit; PheHB (RefSeq aa 4e-66)	NP_005678.1	2
2214 MIOA5310a  seob6146	proline arginine-rich end leucine-rich repeat protein (PRELP) =U29089 (ORF)	NM_002725.1	2
2215 miob2443 ncr5672	Proline synthetase associated	AB018566.1	2
2216 FCR0578  mioa7741a	S-adenosyl homocysteine hydrolase homolog (XPV/kona)	U82761	2
2217 ncr0572  ncrc4257	cytidine monophosphate kinase CMP mRNA, (=UMP-CMP kinase (LOC51727))	AF259961.1	2
2218 miob3169 SEOB3451	selenoprotein T(LOC51714)	NM_016275.1	2
2219 SEOA1083a  miob3321	eukaryotic translation initiation factor 2 alpha kinase PEK	AF110146	2
2220 SEOB1981  ncrc6862	eukaryotic translation initiation factor 2, subunit 1 (alpha, 35kD ) (EIF2S1)	gi4758255	2
2221 SEOA9855  ncrb0473	eukaryotic translation initiation factor 3, subunit 1 (alpha, 35kD) (EIF3S1)	NM_003758.1	2
2222 MIOA1708a  seob7324	EUKARYOTIC TRANSLATION INITIATION FACTOR 5 (EIF-5)	spP55010	2
2223 seob4965  hfc1883	fasciculation and elongation protein zeta 2 (zygin II) (FEZ2)	NM_005102.1	2
2224 SEOB1414 ncrc6008	homolog of rat elongation factor p18 (P18)	NM_004280.1	2
2225 FCR0206 miob0769	mitochondrial translational release factor 1	AF072934	2
2226 ncr9469 ncr8144	translation initiation factor eIF-2alpha	U26032.1	2
2227 SEOA9642  MIOA1778	translational inhibitor protein p14.5 (UK114) = X95384.1	NM_005836.1	2



## Figure 6A - Continued

2228 MIOA0684 SEOA6356	translin associated protein X	X95073	2
2229 seob6751 hfc5427	Tu translation elongation factor, mitochondrial (TUFM)	NM_003321.1	2
2230 SEOA1398 SEOA3405a	unr protein (=AB020692 KIAA0885)	AF077054.1	2
2231 hfc9374 SEOA3016a	arginyl-tRNA synthetase (RARS)	NM_002887.1	2
2232 SEOB1680 hfc3940	5.8S ribosomal RNA	J01866.1	2
2233 seoa4961a	mitochondrial ribosomal protein S11 (MRPS11), nuclear gene encoding mitochondrial protein, mRNA /cds=(265,849) /gb=NM_022839 /gi=16554608 /ug=Hs.111286 /len=1136	Hs.111286	2
fcrb2568			
2234 seoa7827a	mitochondrial ribosomal protein S33 (MRPS33), transcript variant 1, nuclear gene encoding mitochondrial protein, mRNA /cds=(138,458) /gb=NM_016071 /gi=16950595 /ug=Hs.83006 /len=727	Hs.83006	2
fcrb1573			
2235 hfc8880	PRO1181 (=ribosomal protein L29(RPL29))(= cell surface heparin binding protein HIP )	AF116627.1	2
hfc5412			
2236 hfc0439 ncrc9288	alpha-1-antitrypsin	K01396.1	2
2237 miob5608	amyloid beta precursor protein-binding protein 1, 59kD (APPBP1)	NM_003905.1	2
mioa9979			
2238 FCR4946	antiseCRetory factor-1 (=U51007 26S protease subunit S5a)	U24704	2
FCR0751			
2239 SEOA2219a	ATP-dependent metalloprotease YME1L (contains Alu repeat)	AJ132637.1	2
MIOA1432			
2240 seob5113 fcrb2269	matrix metalloproteinase 13 (collagenase 3) (MMP13)	NM_002427.1	2
2241 fcrb1271	matrix metalloproteinase 15 (membrane-inserted) (MMP15)	NM_002428.1	2
hfc3556			
2242 fcrb1529	matrix metalloproteinase 2 (gelatinase A, 72kD gelatinase, 72kD type IV collagenase)(MMP2)	XM_048244.1	2
fcrb1481			
2243 ncrc3777	matrix metalloproteinase 9 (gelatinase B, 92kD gelatinase, 92kD type IV collagenase)(MMP9)	NM_004994.1	2
ncrc7068			
2244 MIOA0826 ncrc5577	MB1 (=D29011 proteasome subunit X)	X95586	2
2245 MIOA2344a	mitogen-activated kinase kinase kinase 5 (MAPKKK5)	U67156	2
MIOA4285			
2246 FCR3985 FCR3916N	peptidase homolog	AF010141	2
2247 SEOA6176a FCR3729	plasminogen activator inhibitor-1	J03764	2
2248 SEOA1269a FCR6958	proteasome activator hPA28 subunit beta	D45248	2
2249 SEOA3093a miob4653	proteasome subunit p42	D78275	2

## Figure 6A - Continued

2250 miob4733 ncrb1518	protein associated with Myc (=AB020723 KIAA0916)	AF075587.1	2
2251 mioa7805a  mioa7645a	protein associated with PRK1 (AWP1), mRNA /cds=(244,804) /gb=NM_019006 /gi=9506852 /ug=Hs.83954 /len=1613	Hs.83954	2
2252 hfcr1428 fcrb2325	protein regulator of cytokinesis 1 (PRC1)	NM_003981.1	2
2253 SEOA6344 miob5037	sorting nexin 14 (SNX14)	AF121863.1	2
2254 MIOA3744a miob5663	sorting nexin 4	AF065485	2
2255 SEOA0078 SEOA3698a	sorting nexin 5 (SNX5)	AF121855.1	2
2256 SEOA0511 seob6014	sorting nexin 7 (SNX7)	AF121857.1	2
2257 MIOA3440a SEOA4649a	TIMP3 tissue inhibitor of metalloproteinases-3	X76227	2
2258 FCR0390 FCR1407N	BRCA1 associated protein 1 (BAP1)	AF045581	2
2259 ncr3276 MIOA4852a	coated vesicle membrane protein (RNP24)	NM_006815.1	2
2260 hfcr8615 ncr1696	F-box protein 7 (FBX7)	NM_012179.1	2
2261 MIOA5447a FCR3132	KDEL receptor(Xenopus laevis)	AL035081	2
2262 hfcr1411 ncr4812	peroxisomal biogenesis factor 12 (PEX12)	NM_000286.1	2
2263 MIOA6388a miob3766	peroxisomal D3,D2-enoyl-CoA isomerase (PECI)	AF153612	2
2264 FCR0781  FCR2361	peroxisomal enoyl-CoA hydratase-like protein (HPXEL)	U16660	2
2265 SEOB1172 ncr7423	peroxisomal farnesylated protein (PXF)	NM_002857.1	2
2266 SEOA0973 FCR4612	rapamycin-binding protein (FKBP25) (=M90309)	M90820	2
2267 SEOA7408a ncrb0758	signal recognition particle (SRP54)	U51920	2
2268 miob6118 ncr3185	signal recognition particle 72kD (SRP72)(ORF)	NM_006947.1	2
2269 FCR3042  MIOA3856	stimulator of TAR RNA binding (SRB) (=AF026291 chaperonin containing t-complex polypeptide 1, delta subunit (Cctd))	U38846	2
2270 SEOA2363a miob4514	ubiquitin conjugating enzyme, UbcH6	X92963	2
2271 MIOA6739a mioa7806a	ubiquitin C-terminal hydrolase UCH37 (UCH37)	AF147717.1	2
2272 SEOA1282a ncrc6649	ubiquitin hydrolyzing enzyme I (UBH1)	AF022789	2
2273 SEOB2803 MIOA6428a	ubiquitin-52 amino acid fusion protein	X56998.1	2
2274 miob0839  seoa8005	ubiquitin-conjugating enzyme E2D 3 (homologous to yeast UBC4/5) (UBE2D3)	NM_003340.1	2
2275 MIOA6543a  SEOB1136	ubiquitin-conjugating enzyme E2L 6 (UBE2L6) =AF061736 ubiquitin-conjugating enzyme RIG-B	NM_004223.1	2

## Figure 6A - Continued

2276 MIOA4694 SEOA4688a	ubiquitin-conjugating enzyme UbcH2	Z29331	2
2277 SEOA9873	ubiquitously-expressed transCRIPT (UXT)(ORF)= AF092737	NM_004182.1	2
2278 SEOA5157a MIOA2107	WDR1 protein	AF020260	2
2279 FCR4885	bithoraxoid-like protein (BLP)(= HSPC162 protein (HSPC162))	AF165516.1	2
2280 ncrb7586 fcrb1621	glioma-amplified sequence-41 (GAS41)	NM_006530.1	2
2281 miob0202 hfc6508	MAT-1 oncogene (HUMMAT1H) (=PEA15)	NM_013287.1	2
2282 SEOA0404 ncr8759	methyl-CpG binding protein 1 (MBD1)	AF120982.1	2
2283 SEOA8867 hfc1897	methyl-CpG binding protein MBD4	AAC68879.1	2
2284 MIOA8341	33 kDa transcriptional co-activator (CRSP33) (=hMed7)	NM_004270.1	2
2285 ncrb4946 seob3726	ataxia telangiectasia and Rad3 related (ATR)	NM_001184.1	2
2286 FCR2196	B cell RAG associated protein (BRAG) (=AB011170 hypothetical protein (KIAA0598))	AF026477	2
2287 MIOA8774	B-cell CLL/lymphoma 6 (zinc finger protein 51) (BCL6)	NM_001706.1	2
2288 ncr2421	bromodomain adjacent to zinc finger domain, 2A (RefSeq NP_038477.1 aa 5e-62)		2
2289 MIOA3558a ncr7376	CAAT-box DNA binding protein subunit B (NF-YB)	X59710	2
2290 hfc5009 hfc9579	CAG-isl 7	U16738.1	2
2291 miob4864	CBF1 interacting corepressor CIR (=U03644.1 recepin)	AF098297.1	2
2292 FCR6482 fcrb2429	CCR4-associated factor 1 (POP2)	AF053318	2
2293 FCR2088 FCR0750	cellular oncogene c-fos (=K00650)	V01512	2
2294 SEOA0235a	chromatin-specific transCRIPTION elongation factor FACT	AF152961.1	2
2295 hfc3469 hfc6300	class I histone deacetylase (HDAC8)	AF230097.1	2
2296 SEOB0253 ncrb5540	ets variant gene 5 (ets-related molecule) (ETV5)	NM_004454.1	2
2297 MIOA1417 MIOA2385a	GC box binding protein	D31716	2
2298 hfc2548	hepatocellular carcinoma novel gene-3 protein (LOC51339)	NM_016651.2	2
2299 hfc6495 hfc4439 fcrb2458	HMG-2	X62534.1	2
2300 miob6130 ncrc1344	Id2 protein (Id-2)	M69293.1	2

## Figure 6A - Continued

2301 MIOA8360 hfc7439	interferon regulatory factor 2 (IRF2)	NM_002199.2	2
2302 hfc3634 ncrc4071	jun D proto-oncogene (JUND)	NM_005354.1	2
2303 MIOA2791a SEOB0655a	kaiso (ZNF-kaiso)	gi5803228	2
2304 SEOA6365 SEOA1647a	KRAB domain zinc finger protein (ZFP37)	AF022158	2
2305 hfc5969	mel transforming oncogene (derived from cell line NK14)- RAB8 homolog (MEL), mRNA	NM_005370.2	2
ncr1735			
2306 miob1778	microphthalmia-associated transcription factor (MITF) (=DKFZp586B2217)	NM_000248.1	2
ncrb5439			
2307 SEOA3417a FCR5192	NF-kappa-B transCRiption factor p65 subunit	L19067	2
2308 SEOA4436a ncr7544	nuclear factor NF-IL6	X52560.1	2
2309 hfc5956	nuclear factor of activated T-cells, cytoplasmic 4 (NFATC4) mRNA	NM_004554.1	2
ncrc4907			
2310 ncr1204	promyelocytic leukemia zinc finger protein (PLZF) gene	AF060568	2
ncrc5443			
2311 MIOA4770 SEOA4870a	putative transCRiption factor, partial	AJ009770	2
2312 SEOA8952 ncrb2874	RE1-silencing transCRiption factor (REST)	NM_005612.1	2
2313 ncr5923	retinoblastoma-binding protein 1; RBP1 (RefSeq aa 4e- 48)	NP_002883.1	2
ncrb0455			
2314 seob7200 miob1252	retinoblastoma-binding protein 2 (RBBP2)	NM_005056.1	2
2315 SEOB2011 FCR3290	SEF2-1A protein (SEF2-1A)	M74718.1	2
2316 ncrb4719 ncrb7127	seven in absentia (Drosophila) homolog 1 (SIAH1)	NM_003031.1	2
2317 seob7746 seob5958	small zinc finger-like protein (DDP2)	AF150087.1	2
2318 hfc0011 hfc4717	target of myb 1 (TOM1)	AJ006973.1	2
2319 ncr0377	TG-interacting factor (TALE family homeobox) (TGIF) (ORF)	NM_003244.1	2
ncrb1317			
2320 SEOA2300a	thyroid hormone receptor-associated protein complex component TRAP150	AF117756.1	2
ncrc3256			
2321 ncr0403 ncrb1303	thyroid receptor interactor trip15	AF100762.1	2
2322 SEOA1623a seoa4102an	transCRiption elongation factor A (SII)-like 1	M99701	2
2323 FCR2006 fcrb1567	transCRiption factor ETR101	M62831	2
2324 hfc3961 hfc2041	transcription factor IIB	AF093680	2
2325 FCR6091 fcr1004n	transCRiption factor TFIIID subunit TAFII28	X83928	2
2326 SEOA2611	transCRiption factor WSTF (=AF084479 Williams-Beuren syndrome deletion transCRipt 9 (WBSR9))	AF072810	2

## Figure 6A - Continued

ncr7753			
2327 hfc7066	zinc finger protein (MAZ) (=KNSL4, MAZ)	M94046.1	2
FCR3843			
2328 MIOA4484a	zinc finger protein (ZFD25) (62% aa)	AB027251	2
ncr2443			
2329 ncrb1663	zinc finger protein 137 (ZNF137)	NM_003438.1	2
miob4845			
2330 FCR6331	zinc finger protein 261 (ZNF261) (=AB002383 KIAA0385) gi4827066		2
hfc6290			
2331 seoa4969a	zinc finger protein 264 (ZNF264), mRNA /cds=(363,2246) Hs.117077 /gb=NM_003417 /gi=4585642 /ug=Hs.117077 /len=6530		2
mioa0562a			
2332 SEOA9042	zinc finger protein ZNF140-like protein (LOC55828)	NM_018443.1	2
seob4271			
2333 FCR5259	zinc-finger DNA-binding protein	D45132	2
SEOA8595			
2334 MIOA4738	mago-nashi (Drosophila) homolog, proliferation-associated (MAGOH) and translated products=AF035940 (ORF)=MAGOH	NM_002370.1	2
ncr0035			
2335 SEOB0303	cleavage and polyadenylation specificity factor 73 kDa subunit	AF171877.1	2
FCR2860			
2336 seob6781	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 1 (DDX1)	NM_004939.1	2
hfc5184			
2337 MIOA8912	double-stranded RNA-binding nuclear protein NFAR-1	AF167569.1	2
ncrc6031			
2338 MIOA9134	endonuclease/reverse transCRiptase [Mus musculus]	AAC53542.1	2
MIOA4630a			
2339 fcrb1053	M5-14 protein (LOC51300)	NM_016589.1	2
ncrc2696			
2340 seob5773	nuclear matrix protein NMP200 related to splicing factor PRP19 (NMP200)	NM_014502.1	2
seob3645			
2341 SEOB3303	Nuclear protein SA-2 (=STAG2)	Z75331.1	2
miob4147			
2342 SEOA0036	nucleic acid binding protein sub2.3	Z29505	2
SOA0060			
2343 miob4462	polyA site DNA	Z24724.1	2
miob1366			
2344 seob7250	RNA binding motif protein 6 (RBM6)	NM_005777.1	2
SEOA5110a			
2345 SEOA0111	RNA binding motif protein 7	AF156098.1	2
SEOA8516			
2346 SEOB2728	RNA binding motif protein 8 (RBM8) (=AF161463.1 HSPC114)	gi4826971	2
SEOA1439a			
2347 SEOA9916	RNA binding protein 15.5 kD	AF155235	2
ncr3646			
2348 SEOB0586	RNA helicase II/Gu protein	AF261917.1	2
seob5115			
2349 miob3823	RNA-directed DNA polymerase (EC	pirS21976	2
miob0042			
2350 seob7237	small nuclear ribonucleoprotein polypeptide B" (SNRPB2)	NM_003092.1	2
MIOA6596a			

## Figure 6A - Continued

2351	SEOB2228 ncrb8811	small nuclear RNA (U2)	L37793.1	2
2352	SEOA2814 FCR2047	SNAP-23	U55936	2
2353	miob6598 hfc1051	splicing factor 3a, subunit 3, 60kD (SF3A3)	NM_006802.1	2
2354	hfc17452 hfc6886	splicing factor arginine/serine-rich 7 (SFRS7) gene	L41887.1	2
2355	hfc6770 ncr4412	splicing factor similar to dnaJ (SPF31)	NM_014280.1	2
2356	hfc17395 ncrc6568	splicing factor SRp30c gene	U87279.1	2
2357	hfc6110  ncr2055	splicing factor, arginine/serine-rich 7 (35kD) (SFRS7), (=9G8 splicing factor)	NM_006276.2	2
2358	ncr7915  ncrb2504	U2 small nuclear ribonucleoprotein auxiliary factor (U2AF1RS1)	NM_005083.1	2
2359	SEOA8822 ncrc2211	U4/U6-associated RNA splicing factor (HPRP3P)	NM_004698.1	2
2360	HFCR3134 ncrb3947	U5 snRNP-associated 102 kDa protein	AF221842.1	2
2361	SEOA6744 MIOA7072a	mitochondrial 12S and 16S rRNA	J01438	2
2362	MIOA1655a MIOB1571	pre-mRNA cleavage factor I subunit	AJ001810	2
2363	SEOB0265  miob2987	pre-mRNA cleavage factor Im (68kD) (CFIM) (=X67336)	5901927	2
2364	MIOA0905a BFCS0223	pre-mRNA splicing factor SF2p32	M69039	2
2365	FCR6386 ncrb4127	RNA polymerase I 40kD subunit	AF047441	2
2366	FCR5758  HFCR2376	RNA polymerase II transCRiption factor SIII p18 subunit	L42856	2
2367	ncr7967 ncrb3381	RPB5-mediating protein (RefSeq aa 3e-33)	NP_003787.1	2
2368	FCR5212 FCR7301	MN/CA9	Z54349	2
2369	SEOA4040a SEOA2653	class II invariant gamma-chain	X03340	2
2370	ncr5789 ncrc3439	COT kinase proto-oncogene	AF133211.1	2
2371	ncr3045 hfc9515	EBNA-2 co-activator (100kD) (p100)	NM_014390.1	2
2372	MIOA7624a  MIOA0309	immunoglobulin light chain (lambda) (=D80009 KIAA0187)	D87018	2
2373	seob7207 ncr1944	immunoglobulin heavy-chain	AB019441.1	2
2374	SEOA8366a  ncrb3320	Jk-recombination signal binding protein (RBPJK) (=D14041 H-2K binding factor-2)	L07872	2
2375	seob5688  mioa7649a	male-specific lethal-3 (Drosophila)-like 1 (MSL3L1) (=DKFZp586J1822)	NM_006800.1	2
2376	miob6631	MHC class I HLA-B51 haplotype A2, B27/B51,Cw2/Cw3	M28205.1	2

Figure 6A - Continued

MIOA4978a			
2377 ncr3975	MHC class I HLA-Bw62	M28204.1	2
SEOA1448a			
2378 miob0154	PC326 protein (PC326)	NM_018442.1	2
ncrc5384			
2379 MIOA0580a	recombination activating protein (RAG2)	M94633	2
ncrc4389			
2380 SEOB0192	strain ECOR 52 rII operon	AF053964.1	2
SEOA2337a			
2381 hfcr7717	brain and reproductive organ-expressed (TNFRSF1A modulator) (BRE)	NM_004899.1	2
ncrc4191			
2382 hfcr2863	ALEX3 protein (ALEX3)	NM_016607.1	2
ncrb3454			
2383 hfcr2696	antigen identified by monoclonal antibody Ki-67 (MKI67)	NM_002417.1	2
fcrb0068			
2384 seob8106	Centrosome- and Golgi-localized PKN-associated protein (CG-NAP) (=AJ131693.1 AKAP450 protein)	AB019691.1	2
SEOB1847			
2385 MIOA7231a	DnaJ-like protein (Hsj2)	AF055664	2
MIOB2219			
2386 miob4157	hepatocellular carcinoma-associated antigen 58 (LOC51230)	NM_016436.1	2
ncr9629			
2387 FCR5415	MAGE tumor antigen D1 (MAGE-D1)	AF124440.1	2
SEOA5477a			
2388 ncr7805	modulator recognition factor 2 (MRF-2)	M73837.1	2
ncr5552			
2389 seob5478	nuclear protein stromal antigen 1 (SA-1)	NM_005862.1	2
MIOA9141			
2390 ncr0634	paraneoplastic antigen MA1 (PNMA1)	NM_006029.1	2
ncr1225			
2391 ncr8628	partial CHI3L1 gene for cartilage glycoprotein-39	AJ251847.1	2
ncr5532			
2392 ncr8711	stress protein Herp, = KIAA0025	AB034989	2
SEOB1853			
2393 ncrc7123	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 3 (SULT1A3)	NM_003166.1	2
ncrc4970			
2394 ncr3588	T-cell activation protein (PGR1) gene	AF116272.1	2
miob6137			
2395 SEOB0569	T-cluster binding protein	D64015.1	2
ncrc6105			
2396 seob5213	Alg5, <i>S. cerevisiae</i> , homolog of (ALG5) (=AF161498.1 HSPC149)	NM_013338.1	2
seob5972			
2397 ncrb0782	B-factor, properdin (RefSeq aa 5e-30)	NP_001701.1	2
ncrc1519			
2398 FCR3379	cytovillin 2 (VIL2) (=X51521 ezrin)	J05021	2
miob4764			
2399 MIOB2824	lysosomal sialoglycoprotein	D12676.1	2
MIOA1413			
2400 FCR2103	beta-subunit signal transducing proteins GS/GI (clone 24596)	AF070597	2
ncrb0129			
2401 FCR2303	epithelial membrane protein-3 (=U52101 YMP; U87947 hematopoietic neural membrane protein (HNMP-1)	X94771	2

Figure 6A - Continued

fcrb2759			
2402 SEOA6637a	globin alpha	M69023	2
FCR5619			
2403 SEOA0379	integral membrane serine protease Seprase	U76833	2
BFC50081			
2404 SEOB1916	LIM domain only 4 (LMO4)	gi7108354	2
SEOA4620a			
2405 FCR3006	multispanning membrane protein	U94831	2
FCR2030			
2406 ncr4413	PLASMA-CELL MEMBRANE GLYCOPROTEIN PC-1 [INCLUDES: ALKALINE PHOSPHODIESTERASE I; NUCLEOTIDE PYROPHOSPHATASE (NPPASE)]	P22413	2
ncrc7096			
2407 seob4197	pM5 protein (PM5)	NM_014287.1	2
ncrc2067			
2408 seoa7748a	progesterone receptor membrane component 2 (PGRMC2), mRNA /cds=(6,677) /gb=NM_006320 /gi=5453915 /ug=Hs.9071 /len=1874	Hs.9071	2
mioa7699a			
2409 seob6678	secretory carrier membrane protein 1 (SCAMP1)	NM_004866.1	2
ncrb6452			
2410 ncr0046	Translocase of outer mitochondrial membrane 70 (yeast) homolog A (TOMM70A)(= KIAA0719)	NM_014820.1	2
ncrc5072			
2411 SEOB1103	transmembrane glycoprotein (CD44 gene)	AJ251595.1	2
seob7117			
2412 ncrb0164	transmembrane protein Jagged 1 (HJ1)	AF028593.1	2
ncrc5395			
2413 ncr7852	mutL homolog 1 (RefSeq aa 4e-76)	NP_000240.1	2
ncrc6159			
2414 SEOB2697	DNA/RNA-binding protein	U20272.1	2
ncrb6575			
2415 SEOB0690a	RAD50	Z75311	2
ncrc1811			
2416 hfc4640	adenylate kinase 1 (hAK1)	AB021871.1	2
hfc5083			
2417 MIOA7401a	adenylate kinase 3 alpha (AK3)	AB021870	2
ncrb6151			
2418 MIOA1296	C1-inhibitor	X54486	2
MIOA2287a			
2419 ncrb1384	carbonyl reductase 1 (CBR1)	NM_001757.1	2
FCR5571			
2420 miob4221	coagulation factor V (proaccelerin, labile factor) (F5)	NM_000130.1	2
seob5316			
2421 hfc9627	glutathione peroxidase 4 (phospholipid hydroperoxidase) (GPX4)	NM_002085.1	2
fc7012n			
2422 mioa7717a	glutathione-S-transferase like; glutathione transferase omega (GSTTLp28), mRNA /cds=(9,734) /gb=NM_004832 /gi=4758483 /ug=Hs.11465 /len=793	Hs.11465	2
cr0027			
2423 FCR5316	gp25L2 protein	X90872	2
hfc2690			
2424 miob0977	metallothionein isoform 1R	X97261.1	2
ncrb8242			
2425 SEOA0575	MITOCHONDRIAL THIOREDOXIN-DEPENDENT PEROXIDE REDUCTASE PRECURSOR (ANTIOXIDANT PROTEIN 1) (AOP-1) (MER5 PROTEIN HOMOLOG) (HBC189)	spP30048	2



Figure 6A - Continued

SEOB0060			
2426 seoa6806	peroxiredoxin 5 (PRDX5), mRNA /cds=(36,680) /gb=NM_012094 /gi=6912237 /ug=Hs.31731 /len=805	Hs.31731	2
ncrc7040			
2427 ncr8720	thioredoxin-like, 32kD (TXNL)	NM_004786.1	2
FCR1367			
2428 miob5122	truncated SON protein (Son) (=AF161430.1 HSPC312)	AF193607.1	2
seob7744			
2429 FCR1496	von Willebrand factor (=X04385)	M10321	2
miob3846			
2430 hfcr1804	Arfaptin 2 (partner of RAC1) (POR1)	NM_012402.1	2
hfcr7679			
2431 SEOA0064	Arf-like 2 binding protein BART1	AF126062.1	2
ncrb8419			
2432 FCR0343	clathrin heavy chain (=D21260 human hypothetical protein (KIAA0034))	J03583	2
ncrb4795			
2433 hfcr6096	sodium-dependent multivitamin transporter (SMVT) gene, partial cds	AF116241.1	2
ncrc1516			
2434 FCR5470	synaptic glycoprotein SC2 spliced variant	AF038958	2
ncr7739			
2435 SEOA8669	synaptobrevin-like 1 (SYBL1)	gi5032136	2
seob6710			
2436 SEOB0523	ch-TOG protein (=D43948.1 KIAA0097)	X92474.1	2
hfcr8373			
2437 ncrc0424	centrin 3; <i>Saccharomyces cerevisiae</i> CDC31 homolog; EF-hand protein superfamily member (RefSeq aa 3e-65)	NP_004356.1	2
ncrc2085			
2438 MIOA4077a	CGI-09 protein	AF132943.1	2
fcrb1260			
2439 MIOA2013	CGI-104 protein (=AF078862.1 PTD009)	AF151862.1	2
hfcr7077			
2440 SEOA6226	CGI-107 protein	AF151865.1	2
miob1762			
2441 ncr0252	CGI-108 protein (LOC51013)	NM_016046.1	2
ncr2779			
2442 MIOB2714	CGI-132 protein	AF151890.1	2
ncr5063			
2443 SEOA1392	CGI-141 protein	AF151899.1	2
ncr3407			
2444 MIOA2413a	CGI-30 protein (=Z49907 <i>c.elegans</i> diphthine synthase)	AF132964.1	2
ncrb1800			
2445 seob6628	CGI-60 protein (LOC51626),	NM_016008.1	2
miob3198			
2446 seob7890	CGI-61 protein	AF151819.1	2
seob8243			
2447 ncrb7561	CGI-72 protein (RefSeq aa 2e-90)	NP_057102.1	2
ncrc9815			
2448 ncr1780	CGI-75 protein (RefSeq aa 4e-57)	NP_057104.1	2
ncrc3211			
2449 SEOA7157a	CGI-81 protein	AF151839.1	2
miob2882			
2450 SEOA3847	CGI-82 protein	AF151840.1	2
seob4715			
2451 seob4126	CGI-83 protein (LOC51110)	NM_016027.1	2

## Figure 6A - Continued

hfc1699			
2452 miob4838	CGI-97 protein	AF151855.1	2
MIOB2573			
2453 SEOA2859	cytoplasmic dynein intermediate chain 2 (Dncic2)	AF063231	2
SEOA6512a			
2454 hfc0918	cytoplasmic intermediate filament protein	AJ004935.1	2
hfc3886			
2455 SEOB3464	Dynein intermediate chain 2, cytosolic (dh ic-2) (cytoplasmic dynein intermediate chain 2)	spO88487	2
SEOA6512a			
2456 seob6257	golgin-like protein(GLP) gene (=U61167.1 SH3 domain- containing protein SH3P18)	AF266285.1	2
hfc8929			
2457 fcrb1327	kinesin family member 4 (KIF4), mRNA	NM_012310.2	2
fcr3108			
2458 hfc8804	microtubule-associated protein 1a (MAP1A)	U38292.1	2
ncrb4899			
2459 MIOA5468a	MICROTUBULE-ASSOCIATED PROTEIN 1B [CONTAINS: MAP1 LIGHT CHAIN LC1]	P46821	2
FCR2190			
2460 hfc5244	NC2 alpha	X96506.1	2
hfc0515			
2461 SEOA7935a	Norrie disease protein (NDP)	X65882	2
MIOA8153			
2462 hfc7437	collagen-binding protein 2 (collagen 2) (CBP2)	NM_001235.1	2
hfc0593			
2463 SEOA4400a	entactin	X14194	2
SEOA8552			
2464 seob3869	epsilon-sarcoglycan	AJ000534.1	2
hfc8506			
2465 SEOA5396	hematopoietic proteoglycan core protein (=M90058 serglycin)	X17042	2
ncrb4485			
2466 MIOA3572a	osteonidogen (=AJ223500 nidogen-2)	D86425	2
SEOA6243			
2467 hfc6245	STIP1 homology and U-Box containing protein 1 (STUB1)	NM_005861.1	2
hfc0908			
2468 SEOA5366	tenascin	X56160	2
SEOA5093a			
2469 seob6133	lymphocyte cytosolic protein 1 (L-plastin) (LCP1)	NM_002298.2	2
seob5439			
2470 MIOA8740	actin binding protein MAYVEN	AF059569.1	2
SEOA0184a			
2471 MIOA2072	actin depolymerizing factor	S65738	2
MIOA2339a			
2472 MIOA1494	adapter protein CMS	AF146277.1	2
SEOA6869			
2473 BFCS0384	alpha-actinin-2 associated LIM protein	AF002282	2
mioa7897			
2474 MIOA5202a	CRystallin, zeta (quinone reductase)-like 1 (CRYZL1)	NM_005111.1	2
miob2289n			
2475 FCR4460	cytoplasmic dynein heavy chain (=AB002323 Human KIAA0325;L08505)	D13896	2
miob0994			
2476 MIOA3672a	gamma adducin	Y14379.1	2
miob2422			
2477 MIOA1287	keratin 18 (K18)	M24842	2
SEOA9502			

## Figure 6A - Continued

2478	ncr0267 mioa9910	plakophilin 2b (ORF)	X97675	2
2479	FCR6928 FCR6963	profilin	J03191	2
2480	ncr3233 ncr6970	utrophin (homologous to dystrophin) (UTRN)	NM_007124.1	2
2481	seoa6829	actin related protein 2/3 complex, subunit 3 (21 kD) (ARPC3), mRNA /cds=(25,561) /gb=NM_005719 /gi=5031596 /ug=Hs.6895 /len=840	Hs.6895	2
	fcrb2166			
2482	ncr2723 SEOB0856a	muscle-specific protein (LOC51778)	NM_016599.1	2
2483	SEOB1001 SEOB3377	myosin X (MYO10)	AF247457.1	2
2484	fcrb2749	myosin, heavy polypeptide 3, skeletal muscle, embryonic (MYH3), mRNA	XM_052579.2	2
	fcrb2175			
2485	SEOA5898 MIOA6108a	myotubularin related protein 6	AF072928	2
2486	ncr3404 ncrc2227	integral inner nuclear	NM_014319.2	2
2487	fcrb2162 fcrb1430	lamin A/C (LMNA)	XM_044160.1	2
2488	SEOA5235a mioa5651n	nucleoporin p54	U63840	2
2489	SEOA1097a FCR0817	plectin (PLEC1)	U63610	2
2490	hfcr6486 hfcr8161	aryl hydrocarbon receptor-interacting protein (AIP)	NM_003977.1	2
2491	MIOA6418a hfcr6533	Toll-like receptor 2 (TLR2) mRNA, (ORF)	U88878	2
2492	SEOA7129a ncrb3220	Toll-like receptor 4 (TLR4)	U88880	2
2493	SEOA3375a MIOA2252a	B219/OB receptor isoform HuB219.1	U52912	2
2494	seob6683	bone morphogenetic protein receptor, type IA (BMPRI1A)	NM_004329.1	2
	fcrb2017			
2495	MIOA5533a MIOA5197a	Ets transCRiption factor (NERF-2)	U43188	2
2496	SEOA2892a SEOA9950	Fc-gamma-receptor IIIB (FCGR3B)	M90746	2
2497	SEOB3009 ncrc6024	G protein gamma 5 subunit	AF038955.1	2
2498	SEOB1617 mioa9466	G protein-coupled receptor 69A (GPR69A) (=p40)	NM_006055.1	2
2499	MIOA6476a ncrb7099	histamine N-methyltransferase(HNMT)	U08092	2
2500	miob6771 SEOB3106	h-ryk	X69970.1	2
2501	ncr0194 ncrb7034	interferon gamma receptor 1 (IFNGR1) (ORF)	NM_000416.1	2
2502	FCR6623	interferon gamma receptor accessory factor-1 (AF-1) (clone pJS3)	U05877	2
	FCR3690			
2503	ncr8686 ncrc4704	interleukin 16 (IL16)	AF077011	2
2504	ncrb0581 ncrc9412	mannose receptor, C type 1 (MRC1)	NM_002438.1	2

## Figure 6A - Continued

2505 seob7409 FCR4981	nuclear receptor coactivator 3 (NCOA3)	NM_006534.1	2
2506 ncr2508 ncr8224	nuclear receptor co-repressor 1 (NCOR1)	NM_006311.1	2
2507 ncrb2938	nuclear receptor subfamily 4, group A, member 2 (NR4A2)	NM_006186.1	2
ncrc2485			
2508 hfcr2030	nuclear RNA helicase, DECD variant of DEAD box family (DDXL)	NM_005804.1	2
hfcr3753			
2509 seob5240 hfcr6118	PAR3 (PAR3)	AF252293.1	2
2510 hfcr0484	peripheral benzodiazepine receptor-associated protein 1 (PRAX-1) mRNA	NM_004758.1	2
CR0724			
2511 FCR3287	platelet-derived growth factor A chain (PDGFA) (=X06374)	M83575	2
ncr9016			
2512 ncr7097 ncrb2398	PMEPA1 protein (PMEPA1)	NM_020182.1	2
2513 FCR4308 FCR4490	retinoic acid-binding protein II (CRABP-II) (=M68867)	M97814	2
2514 seob7529 mioa9873	RYK tyrosine kinase	S59184.1	2
2515 FCR6340	TRIP6 (thyroid receptor interacting protein) (=AF025437 Opa-interacting protein OIP1; AF000974 zyxin related protein ZRP-1)	AJ001902	2
hfcr1265			
2516 hfcr9547	v-jun avian sarcoma virus 17 oncogene homolog (JUN), (=c-jun proto oncogene (JUN )	NM_002228.2	2
ncr1559			
2517 hfcr8429	xenotropic and polytropic murine leukemia virus receptor (X3)	AF089744.1	2
hfcr9184			
2518 SEOA5520a SEOA0133	14-3-3 protein, a protein kinase regulator	X56468	2
2519 miob4401	bifunctional ATP sulfurylase/adenosine 5'-phosphosulfate kinase	AF033026.1	2
MIOA8767			
2520 SEOA1117a	calmodulin-dependent protein phosphatase catalytic subunit (PPP3CA) (=J05480)	L14778	2
seob8082			
2521 FCR1020 hfcr1907	ERK activator kinase (MEK2)	L11285	2
2522 MIOA2536a MIOA7350a	mitogen-responsive phosphoprotein DOC-2	U53446	2
2523 hfcr2504 SEOB0716a	protein kinase C, mu (PRKCM)	NM_002742.1	2
2524 MIOA7629a ncrc0777	serine-threonine protein kinase (MNBH)	AF108830.1	2
2525 MIOA1388a MIOA4718	cAMP-specific phosphodiesterase 8B (PDE8B)	AF079529	2
2526 SEOA7354a SEOA3811a	cGMP phosphodiesterase	X62695	2
2527 ncr5719 ncrb8573	monoamine oxidase B (MAOB)	NM_000898.1	2
2528 miob4055	A kinase (PRKA) anchor protein 2 (AKAP2)(= KIAA0920)	NM_007203.1	2
ncrc3623			

## Figure 6A - Continued

2529	mioa9831	associated molecule with the SH3 domain of STAM (AMSH) mRNA	NM_006463.1	2
	ncr1528			
2530	SEOA1580a	adenomatosis polyposis coli (APC)	gi4557318	2
	FCR0061n			
2531	hfc9134	breakpoint cluster region (BCR) gene	U07000.1	2
	CR0533			
2532	ncr3432	brefeldin A-inhibited	NM_006421.2	2
	miob3609			
2533	ncrb7350	dexamethasone-induced ras-related protein 1 (DEXRAS1) gene, (=activator of G protein signaling (AGS1))	AF262018.1	2
	ncrc9311			
2534	SEOA6033a	guanine nucleotide exchange factor p532	U50078	2
	ncr0158			
2535	SEOB0885a	GUANINE NUCLEOTIDE-BINDING PROTEIN BETA SUBUNIT-LIKE PROTEIN 12.3 (P205) (RECEPTOR OF ACTIVATED PROTEIN KINASE C 1) (RACK1)	spP25388	2
	SEOA8447			
2536	MIOA3963a	low-Mr GTP-binding protein (RAB32)	U59878	2
	SEOB3569			
2537	SEOA3516a	MAD-3 (I $\kappa$ B-like activity)	M69043	2
	SEOA7367a			
2538	ncr6920	N-acetylneuraminic acid phosphate synthase; sialic acid synthase (SAS)	NM_018946.1	2
	SEOA9931			
2539	seob2303	nucleolar GTPase (HUMAUIANTIG)	NM_013285.1	2
	ncrc6817			
2540	ncr3262	Rab5-interacting protein	AF112213.1	2
	ncrb6174			
2541	FCR0990	Rab9 effector p40	Z97074	2
	ncrc5553			
2542	SEOB2642	Ran_GTP binding protein 5	Y08890.1	2
	FCR6495			
2543	fcrb2722	Ras suppressor protein 1(RSU1), (= RSU-1/RSP-1 mRNA)	NM_012425.2	2
	ncrc2963			
2544	hfc92535	Rho guanine nucleotide exchange factor (GEF) 1 (ARHGEF1)	NM_004706.1	2
	hfc96117			
2545	ncr0266	Rho guanine nucleotide-exchange factor, splice variant NET1A	AJ010045.1	2
	FCR0935N			
2546	miob3696	Rho-associated, coiled-coil containing protein kinase 1 (ROCK1)	NM_005406.1	2
	ncr5724			
2547	MIOA3548a	SH3 binding protein	AB005047	2
	ncrb8356			
2548	seob5551	SH3-domain binding protein 5 (BTK-associated) (SH3BP5) (=DKFZp434H068)	NM_004844.1	2
	ncrc5501			
2549	miob3531	signal transducing adaptor molecule (SH3 domain and ITAM motif) 1 (STAM)	NM_003473.1	2
	miob6377			
2550	ncr0924	small GTP-binding protein rab22b	AF183421.1	2
	ncrb4316			
2551	miob3456	Src-like-adaptor (SLA)	NM_006748.1	2
	ncrc0958			
2552	FCR2541	adrenal specific pG2 (=U15981 dlk)	X17544	2

## Figure 6A - Continued

fcrb2643			
2553 SEOB2979	novel antagonist of FGF signaling (sprouty-1)	AF041037.1	2
FCR0918			
2554 SEOA0539n	abundant in neuroepithelium area (BTG3) (=D64110 ANA)	gi5802989	2
MIOB2564			
2555 ncr0775	bone morphogenetic protein 5 (BMP5)	NM_021073.1	2
ncr1148			
2556 ncrb5631	bone morphogenetic protein-3b gene	D49493.1	2
ncrc1178			
2557 FCR2195	folliculin	M19480	2
seoa8133			
2558 SEOA5494a	glioblastoma amplified sequence (GBAS)	AF029786	2
SOA0678			
2559 seob6089	growth associated protein 43 (GAP43)	NM_002045.1	2
ncrb6144			
2560 SEOA2978a	hepatocyte growth factor activator inhibitor type 2 (=AF027205 Kunitz-type protease inhibitor (kop))	AB006534	2
ncrc5679			
2561 SEOA7369a	hepatoma-derived growth factor	D16431	2
FCR0863			
2562 seob7039	high-risk human papilloma viruses E6 oncoproteins targeted protein E6TP1 alpha (=AB007900 KIAA0440)	AF090989.1	2
hfc0241			
2563 SEOA7442a	interferon-gamma	U10360	2
SEOA5095a			
2564 seob7184	macrophage-specific colony-stimulating factor (CSF-1)	M37435.1	2
MIOA8693			
2565 FCR7004	midkine (neurite growth-promoting factor 2) (MDK) (=X55110 neurite outgrowth-promoting protein)	gi4505134	2
fcrb0384			
2566 MIOA4271	monocyte chemotactic protein-3 (MCP-3)	X72308	2
SEOA4204a			
2567 MIOA2774a	neuromedin B	M21551	2
FCR3540			
2568 ncr3963	p8 protein (candidate of metastasis 1) (P8)	NM_012385.1	2
hfc03605			
2569 ncr8995	polydom protein	AAG32160.1	2
ncrc5580			
2570 ncr2792	SKI-INTERACTING PROTEIN (RefSeq aa 7e-55)	NP_036377.1	2
ncrb5813			
2571 ncr3869	uncharacterized bone marrow protein BM042 (BM042) (=DKFZp761A1124)	NM_018458.1	2
hfc02529			
2572 hfc06211	cullin 5 (CUL5)	NM_003478.1	2
ncr4667			
2573 hfc09846	ADP-ribosylation factor 6 (ARF6)	NM_001663.2	2
ncrc5099			
2574 seob7404	ADP-ribosylation factor domain protein 1, 64kD (ARFD1)	NM_001656.1	2
ncrb7225			
2575 SEOA4023a	ADP-ribosylation factor[arf]-directed GTPase activating protein (ASAP1) (=AB007860 KIAA0400)	gi4502248	2
SEOA5557a			
2576 seob5454	ADP-ribosylation factor-like 3 (ARL3)	NM_004311.1	2
SEOA8761			
2577 miob4760	calcyclin binding protein	AF057356.1	2

## Figure 6A - Continued

SEOA6019a			
2578 SEOB3067 ncr6116	FE65-like protein (hFE65L)	U62325.1	2
2579 FCR3754	hepatocyte growth factor-like protein homolog (low match)	U28055	2
FCR6350			
2580 SEOA5490a SEOA1443a	monocyte/neutrophil elastase inhibitor	AF053630	2
2581 FCR3033 FCR4760	poly (ADP-ribose) polymerase (=J03473; M29786)	M18112	2
2582 hfcr7146 ncr7893	chloride channel nucleotide-sensitive, 1A (CLNS1A)	NM_001293.1	2
2583 miob6677 seob6122	ecotropic viral integration site 5 (EVI5)	NM_005665.1	2
2584 FCR1608 ncrc2007	JTV-1 (JTV-1)	U24169	2
2585 FCR5663 FCR7710	membrane protein, type II clone:HP10390	AB015631.1	2
2586 FCR5800 ncr5960	membrane protein-like protein	U21556	2
2587 SEOA4461a	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 3 (KCNS3)=AF043472 Shab-related delayed-rectifier K channel alpha subunit	NM_002252.1	2
miob3803			
2588 hfcr2601 MIOA9010	stomatin-like protein 2 (SLP-2)	NM_013442.1	2
2589 SEOA3717a hfcr1867	voltage-dependent anion channel isoform 2 (VDAC2)	AF152227.1	2
2590 SEOA0114 hfcr9595	MacMarcks	X70326	2
2591 MIOA3795 ncrc4531	mast cell carboxypeptidase A	M27717	2
2592 SEOA0956	cell adhesion protein (vitronectin) receptor alpha subunit	M14648	2
SEOA1525			
2593 SEOB1362 ncr2883	goliath protein	AF155650.1	2
2594 ncrb3880 hfcr0506	integrin alpha-11 subunit precursor (ITGA11)	AF109681.1	2
2595 seob5976	integrin, alpha V(vitronectin receptor, alpha polypeptide, antigen CD51)(ITGAV)	NM_002210.1	2
MIOA8308			
2596 MIOA3940a	platelet/endothelial cell adhesion molecule-1 (PECAM-1)	L34657	2
ncr2928			
2597 hfcr1210 hfcr9914	protocadherin 43 gene	AF119570	2
2598 hfcr0358	TRAF and TNF receptor associated protein (ttrap gene)	AJ269473.1	2
ncrc0203			
2599 fcrb0662	chromodomain helicase DNA binding protein 4 (CHD4)	NM_001273.1	2
ncrc1452			
2600 SEOA4640a	chromodomain protein, Y chromosome-like (CDYL)=AF081259	NM_004824.1	2
MIOA3378a			
2601 seob5523	chromosome-associated polypeptide C (CAP-C)(=DKFZp434F205)	NM_005496.1	2
ncrb8661			

## Figure 6A - Continued

2602	hfc3821	Gu protein = PC6010 RNA helicase Gu	U41387.1	2
	ncrc3248			
2603	ncr0451	histone acetyltransferase (HBOA)	NM_007067.1	2
	ncr1415			
2604	mioa9555	histone acetyltransferase (MORF), (ORF)	NM_012330.1	2
	ncr1415			
2605	SEOA5580a	histone deacetylase 2 (HDAC2) (=U31814 transCRiptional regulator homologue RPD3)	gi4557640	2
	SEOA6157a			
2606	FCR1473	histone maCRoH2A1.2	AF054174	2
	FCR6859			
2607	fcrb1689	non-histone chromatin protein HMG1 (HMG1) gene	U51677.1	2
	fcrb1558			
2608	SEOB2283	SCG10 like-protein, helicase-like protein NHL, M68, and ADP-ribosylation factor related protein 1 (ARFRP1) genes, complete cds	AF217796.1	2
	ncrc2847			
2609	ncrb2798	telomerase binding protein p23 (LOC56351)	NM_019766.1	2
	ncrb8542			
2610	seob6696	menage a trois 1 (CAK assembly factor) (MNAT1) = X92669.1 p35, cyclin-like CAK1-associated protein(ORF)	NM_002431.1	2
	ncr6088			
2611	hfc5905	camptothecin resistant clone CEM/C2 DNA topoisomerase I mRNA, partial cds	U07806.1	2
	ncrc3345			
2612	FCR6395	cdc14 homologue	AF000367	2
	ncr7669			
2613	SEOB0752	CDC28 protein kinase 2 (CKS2)	4502858	2
	seoa7696a			
2614	hfc6613	cell cycle protein (PA2G4) gene	AF104670.1	2
	FCR5881			
2615	hfc4741	cell division cycle 20, S.cerevisiae homolog (CDC20)	NM_001255.1	2
	hfc9178			
2616	miob3313	cullin 2 (CUL2)	AF126404.1	2
	MIOA9096			
2617	ncr3172	dedicator of cytokinesis 1 (DOCK1)	NM_001380.1	2
	ncr2556			
2618	miob0050	DNA for (CGG)n trinucleotide repeat region, isolate E7	AJ001216.1	2
	ncrc0545			
2619	fcrb1788	G1 to S phase transition 1 (GSPT1)	XM_055673.1	2
	ncrb8763			
2620	hfc6829	growth arrest-specific 6 (GAS6)	NM_000820.1	2
	hfc9596			
2621	MIOB2293	growth arrest-specific 7 (GAS7), transCRipt variant b	5360211	2
	hfc6829			
2622	MIOA9062	GTP-binding protein RAB21 (RAB21) = KIAA0118	AF091035	2
	SEOA6398			
2623	FCR5023	MAC30	L19183	2
	hfc9101			
2624	SEOA6152a	rhoB	M74295	2
	BFCS0302			
2625	MIOA8239	Topoisomerase I	CAA18536.1	2
	ncrc1460			
2626	FCR5707	X-linked nuclear protein (ATRX)	AF000160	2
	FCR5704			
2627	SEOB1720	API5-like 1 (API5L1)	NM_006595.1	2
	ncr2404			



## Figure 6A - Continued

2628	hfcr9982	beclin 1 (BECN1)mRNA, (=beclin 1 (coiled-coil, myosin-like BCL2-interacting protein) (BECN1))( =GT197 partial ORF)	AF139131.1	2
	SEOA9079			
2629	SEOA5387	BNIP3L	AB004788.1	2
	SEOB1998			
2630	ncrb5704	CASP8 associated protein 2 (RefSeq aa 2e-87)	NP_036247.1	2
	fcrb2400			
2631	miob6721	CED-6 protein (CED-6)	NM_016315.1	2
	ncrc9794			
2632	SEOB0294	dual-specificity protein phosphatase	U15932.1	2
	ncr2473			
2633	MIOA1294n	neuronal apoptosis inhibitory protein	U19251	2
	SEOB0418			
2634	miob5878	NOD1 protein (NOD1) gene	AF149773.1	2
	miob5958			
2635	hfcr6747	programmed cell death 6 (PDCD6)	NM_013232.1	2
	ncr8007			
2636	FCR2729	45kDa splicing factor	AF083384	2
	FCR4489			
2637	hfcr6849	KH-type splicing regulatory protein (KHSRP)	NM_003685.1	2
	fcrb1648			
2638	seoa6797	polymerase (DNA-directed) kappa (POLK), mRNA /cds=(172,2784) /gb=NM_016218 /gi=7705343 /ug=Hs.135756 /len=4074	Hs.135756	2
	ncrc2394			
2639	hfcr2821	polymerase (RNA) II (DNA directed) polypeptide J (13.3kD) (POLR2J)	NM_006234.1	2
	hfcr8656			
2640	seob6131	Replication factor C (activator 1) 4 (37kD)	NM_002916.1	2
	ncrc9255			
2641	ncrb4843	replication protein A1 (70kD) (RPA1)	NM_002945.1	2
	ncrb7041			
2642	ncr0673	replication protein A2 (32kD)(RPA2)	NM_002946.1	2
	hfcr4151			
2643	seob4816	anaphase-promoting complex subunit 4 (APC4)	NM_013367.1	2
	seoa7822a			
2644	hfcr5827	cell division control protein 16 (CDC16) mRNA, complete cds	AF164598.1	2
	SEOB0703a			
2645	MIOA3354a	cysteine and glycine-rich protein 2 (CSRP2) (contains Alu repeat)	U95018	2
	hfcr6154			
2646	ncr4140	Notch2-like (Notch2l)	NM_008715.1	2
	ncrb1861			
2647	ncr3284	p53 regulated PA26 nuclear protein (PA26)	NM_014454.1	2
	miob1079n			
2648	SEOB0376	proto-oncogene (Wnt-5a)	L20681.1	2
	SEOB0439			
2649	ncrc8863	Pro-X carboxypeptidase precursor (RefSeq aa 7e-49)	NP_005031.1	2
	ncrc1788			
2650	FCR1478	ras inhibitor	M37190	2
	hfcr7027			
2651	FCR5975	SEPTIN 2 HOMOLOGUE (SEP2)	Q14141	2
	FCR1045			
2652	SEOA9150	tumor antigen SLP-8p (HCC8)=	AF102177.1(ORF)	2
	ncrc4313		NM_016516.1	
2653	ncr1526	tumor differentially expressed 1 (RefSeq aa 1e-77)	NP_006802.1	2
	ncr9117			

## Figure 6A - Continued

2654 seob8160	tumor necrosis factor alpha-induced protein 6 (TNFAIP6)	NM_007115.1	2
miob3900			
2655 FCR0652N	tumor neCrosis factor receptor	M58286	2
MIOA3725a			
2656 seob3697	tumor necrosis factor(ligand) superfamily, member 10 (TNFSF10) mRNA	NM_003810.1	2
seob5604			
2657 miob2918	tumor protein D52 (TPD52)(= N8=tumor expression-enhanced gene)(= 19.8 kDa protein)	NM_005079.1	2
ncrb2024			
2658 FCR7689	tumor suppressor protein (101F6), putative	AF040704	2
ncrb5384			
2659 SEOA1856a	tumor susceptibility protein (TSG101)	U82130	2
FCR6807			
2660 ncr2293	integral type I protein	NM_007364.1	2
fcrb2524			
2661 ncr7137	musculus DnaJ-like protein 1 (Dnajl1)	NM_007869.1	2
hfc732			
2662 FCR4433	PROBABLE ARP2/3 COMPLEX 20 KD SUBUNIT (P20-ARC)	spQ18491	2
MIOA4076a			
2663 miob6228	protein kinase NY-REN-64 antigen (LOC51135)	NM_016123.1	2
2664 ncr0836	semipalmatus 18S ribosomal RNA gene, complete sequence	AF173638.1	2
seob2299			
2665 FCR2054	19 kDa subunit of NADH (complex I)	X59697	2
FCR3701			
2666 hfc5611	proteasome (prosome macropain) activator subunit 2 (PA28 beta) (PSME2)	NM_002818.1	2
mioa1118m			
2667 FCR6057	proteasome subunit p45 26S	D44467	2
MIOA1687a			
2668 ncr8935	F-box only protein 2 (FBXO2)	NM_012168.1	2
seob5743			
2669 ncr7178	ubiquitin specific protease	NM_004505.1	2
ncrc6595			
2670 FCR4238	transCRiption factor ZFM1 (=L49380;L49345;Y08765 splicing factor SF1-hl1))	D26120	2
MIOA1370a			
2671 ncrb8142	RNA for Golgi protein (GPP34 gene)	AJ296152.1	2
ncrb0460			
2672 miob4144	dnchc2 cytoplasmic dynein heavy chain	AB041881.1	2
miob0994			
2673 ncrb8693	kinesin family member 3B (KIF3B) (=KIAA0359)	NM_004798.1	2
SEOA6930			
2674 MIOA4667a	CAK1 mRNA for Cdk-activating kinase=cyclin-dependent kinase 7=X77743	X77303	2
MIOA5773a			
2675 MIOA6673a	guanylate binding protein isoform I (GBP-2)	M55542	2
miob4524			
2676 SEOA8511	CYTOCHROME C OXIDASE POLYPEPTIDE VIC PRECURSOR	P09669	2
SEOA8951			
2677 miob6128	solute carrier family 16 (monocarboxylic acid transporters), member 7 (SLC16A7)	NM_004731.1	2
SOA0356			
2678 ncr1658	eukaryotic translation initiation factor 4B (EIF4B)	NM_001417.1	1

Figure 6A - Continued

2679	SEOA6732	mitogen inducible gene mig-2	Z24725	1
2680	SEOA4716a	metallothionein	X97260	1
2681	FCR0211	nucleoplasmin-3 (NPM3)	AF081280	1
2682	SEOA8232	ATP SYNTHASE COUPLING FACTOR 6, MITOCHONDRIAL PRECURSOR (F6)	spP18859	1
2683	FCR5354	cytochrome c oxidase COX subunit IV (COX IV)	M21575	1
2684	SEOB0483	aminopeptidase PILS (APPILS)	AF183569.1	1
2685	hfc9312	heat shock protein, DNAJ-like 2 (HSJ2)	NM_001539.1	1
2686	FCR1079	cytochrome P450 (CYP1A2)	M31667	1
2687	SEOA2819	integral membrane protein Tmp21-I (p23)	AJ004913.1	1
2688	ncr5264	cadherin 11, OB-cadherin(osteoblast) (CDH11)(= OB-cadherin-2)(= OB-cadherin-1)(= cadherin-11 )	NM_001797.1	1
2689	hfc9447	solute carrier family 4, anion exchanger, member 3 (SLC4A3)	NM_005070.1	1
2690	hfc9448	beta-galactosidase (GLB1)	M34423.1	1
2691	MIOA1524	protein phosphatase 2A 130 kDa regulatory subunit	L07590	1
2692	MIOB2756	5' cap guanine-N-7 methyltransferase (RNMT)	AF067791.1	1
2693	miob0636	calcineurin A1	M29550.1	1
2694	ncrb5940	baculoviral IAP repeat-containing 6 (BIRC6)	NM_016252.1	1
2695	ncrb3226	PTD019 (=HSPC203)	AF226729.1	1
2696	ncr7181	spastic paraplegia 4	NM_014946.1	1
2697	MIOA3269a	uncharacterized protein	AK002062	1
2698	miob1136	a disintegrin and metalloproteinase domain 28 (ADAM28)(= eMDC II)	NM_014265.1	1
2699	ncrc4565	procollagen-proline, 2-oxoglutarate4-dioxygenase (proline 4-hydroxylase), alpha polypeptide(RefSeq aa 1e-44)	NP_000908.1	1
2700	MIOA4628a	proteasome (prosome, maCRopain) 26S subunit, non-ATPase, 12 (PSMD12)=AB003103 = 26S proteasome subunit p55,	NM_002816.1	1
2701	SEOB3158	c-maf long form	AF055377.1	1
2702	FCR2306	Kruppel-like zinc finger protein Zf9	AF001461	1
2703	SEOA8640	Tat-interacting protein (30kD) (TIP30)	5454125	1
2704	FCR5620	zinc finger protein	L16896	1
2705	ncrb0090	zinc finger protein 22 (KOX 15) (RefSeq aa 1e-48)	NP_008894.1	1
2706	seob5860	ribonucleoprotein gene 60-kD SS-A/Ro D8	U44388.1	1
2707	ncrb7111	betaglycan (TBR III gene)	AJ251961.1	1
2708	ncr0016	Estrogen receptor 1 (ESR1)	NM_000125.1	1
2709	FCR6902	glucocorticoid-induced leucine zipper GILZ protein	AF024519	1
2710	seob7262	activated leucocyte cell adhesion molecule (ALCAM)	NM_001627.1	1
2711	seoa8019	BCL2-associated athanogene 3 (BAG3), mRNA /cds=(306,2033) /gb=NM_004281 /gi=14043023 /ug=Hs.15259 /len=2605	Hs.15259	1
2712	miob2944	fetal liver cDNA library	AI133292.1	1
2713	ncrc9117	unnamed protein product	BAB15083.1	1
2714	SEOA6701a	solute carrier family 16 (monocarboxylic acid transporters), member 4 (SLC16A4) (contains Alu repeat)	gi4759113	1
2715	SEOA5299a	muscle-type phosphofructokinase (PFK-M) gene	M59741	1
2716	FCR5337	protein tyrosine phosphatase (PRL-1)	L39000	1
2717	MIOB0468	5-lipoxygenase activating protein (FLAP) (arachidonate 5-lipoxygenase-activating protein) (ALOX5AP)	M63262.1	1
2718	hfc95181	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 3 (9kD, B9)(NDUFA3)	NM_004542.1	1
2719	MIOA5484a	SUCCINATE DEHYDROGENASE [UBIQUINONE] FLAVOPROTEIN SUBUNIT, MITOCHONDRIAL PRECURSOR (FP) (FLAVOPROTEIN SUBUNIT OF COMPLEX II) Length = 664	spP31040	1

## Figure 6A - Continued

2720 seob4487	translation initiation factor IF2 (IF2)(ORF)	NM_015904.1	1
2721 SEOA6867	PROTEASOME THETA CHAIN (MACROPAIN THETA CHAIN) (MULTICATALYTIC ENDOPEPTIDASE COMPLEX THETA CHAIN) (PROTEASOME CHAIN 13) (PROTEASOME COMPONENT C10-II)	spP49720	1
2722 hfcr1073	general transcription factor IIE, polypeptide 2	NM_002095.1	1
2723 ncr4550	hematopoietic-derived zinc fingerprotein (RefSeq aa 1e-48)	NP_004867.1	1
2724 miob3044	zinc finger protein 208(ZNF208)	NM_007153.1	1
2725 MIOA3528a	ZNF202 beta (ZNF202)	AF027219	1
2726 MIOB2227	pirin (PIR)	gi4505822	1
2727 FCR1779	U6 snRNA	X59362	1
2728 hfcr5473	RNA polymerase II subunit	U37690.1	1
2729 seob1667n	mitochondrial ribosomal protein L20 (MRPL20), mRNA	XM_027716.1	1
2730 MIOA1556	MHC class I HLA-C-alpha-2 chain	M24097	1
2731 ncr3035	beta-preprotachykinin	X54469.1	1
2732 miob0942	pre-B-cell colony-enhancing factor (PBEF)	NM_005746.1	1
2733 ncrb0323	adaptor-related protein complex 3, beta 1 subunit (AP3B1)	NM_003664.1	1
2734 miob4370	transmembrane 4 superfamily member (tetraspan NET-2) (NET-2)	NM_012338.1	1
2735 hfcr1201	adaptor-related protein complex 3, delta 1 subunit (ADTD), mRNA	NM_003938.1	1
2736 hfcr3774	seven transmembrane domain protein (NIFIE14)	NM_006326.1	1
2737 hfcr3494	DNA topoisomerase III	U43431.1	1
2738 MIOA8557	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2 (=SNF2alpha protein)	NP_003061.1	1
2739 hfcr6715	methyltransferase (HASJ4442)	NM_017528.1	1
2740 HFCR3091	collagen binding protein 2	D83174.1	1
2741 miob6645	syndecan-1 gene (exons 2-5)	Z48199.1	1
2742 SEOA8501	CC-chemokine receptor(CCR-5) gene, delta-32 allele	AF009962.1	1
2743 ncrb5361	interferon, alpha-inducible protein 27(RefSeq aa 7e-39)	NP_005523.1	1
2744 ncr3891	mitogen-activated protein kinase 6 (MAPK6)	NM_002748.1	1
2745 ncr4920	MAD (mothers against decapentaplegic, Drosophila) homolog 7 (MADH7)	NM_005904.1	1
2746 FCR3173N	developmentally regulated GTP-binding protein 2 (DRG2) X80754		1
2747 fcrb1136	melanoma differentiation associated (mda-6)= cyclin-dependent kinase inhibitor Length = 2120	L25610.1 U09579.1	1
2748 seob5894	ADP-ribosylation factor-like 1 (ARL1)	NM_001177.2	1
2749 seob7755	mannose-specific lectin (MR60)	U09716.1	1
2750 ncrb1852	postmeiotic segregation increased 2-like 8 (RefSeq aa 2e-57)	NP_005385.1	1
2751 seob3675	spindlin (Spin)	NM_011462.1	1
2752 SEOB1316	p53 binding protein	U82939.1	1
2753 FCR2301	BRAIN PROTEIN I3	P28662	1
2754 ncr2693	cerebellar degeneration-related protein (34kD) (CDR1)	NM_004065.1	1
2755 SEOA5461	fetal brain oculocerebrorenal syndrome (OCRL1)	U57627	1
2756 SEOA9016	fungal sterol-C5-desaturase homolog	D85181.1	1
2757 miob0213	HSPC280	AF161398.1	1
2758 ncr5865	HSPC282	AF161400	1
2759 seoa8035	hypothetical protein MGC3037 (MGC3037), mRNA /cds=(99,1151) /gb=NM_024047 /gi=13129009 /ug=Hs.301789 /len=1507	Hs.301789	1

## Figure 6A - Continued

2760 ncrb1100	immature colon carcinoma transcript 1(RefSeq aa 5e-76)	NP_001536.1	1
2761 MIOA3801	integral membrane protein type II (NKG2-D) (=U08988 CRFB4 )	AF001297	1
2762 hfc1340	isolate Indonesian 79 type 299 mitochondrial control region, partial	AF176203	1
2763 miob5915	KIAA0250 gene	NM_014837.1	1
2764 miob4004	KIAA0260 gene	D87449.1	1
2765 ncr3189	KIAA0388	AB002386.1	1
2766 miob6485	KIAA0576 protein	AB011148.1	1
2767 miob6092	NTT gene (L1 Alu and MER 38 repeat regions)	U54776.1	1
2768 MIOA8862	ORF2-like protein	AAD04635.1	1
2769 SEOA7485a	PMS2L13	AB017004.1	1
2770 seoa7788a	putative (LOC116228), mRNA	XM_057659.2	1
2771 ncr6617	RAB, member of RAS oncogene family-like 2B (RABL2B)	NM_007081.1	1
2772 hfc9807	sushi-repeat protein (SRPUL)	NM_014467.1	1
2773 SEOA8960	VACUOLAR ATP SYNTHASE SUBUNIT H (V-ATPASE H SUBUNIT) (V-ATPASE M9.2 SUBUNIT) (9.2 KD MEMBRANE ACCESSORY PROTEIN)	spO15342	1
2774 miob1306	nicotinamide nucleotide transhydrogenase (NNT)	NM_012343.1	1
2775 ncrb6476	palmitoylated membrane protein 3 (RefSeq aa 1e-86)	NP_001923.1	1
2776 hfc5157	protein phosphatase 4 regulatory subunit 1 (PPP4R1)	NM_005134.1	1
2777 SEOB0510	POLY(A) POLYMERASE (PAP) (POLYNUCLEOTIDE ADENYLYLTRANSFERASE)	spP51003	1
2778 FCR1098	ATP-citrate lyase	X64330	1
2779 SEOA1812a	phosphatidic acid phosphatase type 2c (Ppap2c) (=D38522 KIAA0080)	AF123611.1	1
2780 MIOA8919	cytochrome c (HS7) processed pseudogene	M22893.1	1
2781 MIOA2853a	mitochondrial 3-ketoacyl-CoA thiolase beta-subunit of trifunctional protein	D16481.1	1
2782 MIOA3397a	mitochondrial acetoacetyl-coenzyme A thiolase (EC 2.3.1.9)	D90228	1
2783 MIOA7423a	mitochondrial elongation factor G	L14684	1
2784 SEOB0352	mitochondrial F1FO-type ATPase subunit d	AF087135.1	1
2785 ncrb7167	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9 (39kD) (RefSeq aa 2e-80)	NP_004993.1	1
2786 SEOA6131a	ubiquinol cytochrome-c reductase core I protein	L16842	1
2787 hfc8033	aspartyl protease(BACE2) mRNA, complete cds, alternatively spliced	AF188277.1	1
2788 miob6834	carbamyl phosphate synthetase I	AF154830.1	1
2789 SEOB3131	glutamine:fructose-6-phosphate amidotransferase (GFAT)	M90516.1	1
2790 FCR6092	selenium donor protein (seID)	U34044	1
2791 ncrb6907	tousled-like kinase 1 (RefSeq aa 1e-49)	NP_036422.1	1
2792 miob5675	peroxisomal biogenesis factor 3 (PEX3)	NM_003630.1	1
2793 FCR4129	peroxisome biogenesis disorder protein 1 (PEX1)	AF026086	1
2794 ncrb5322	signal recognition particle receptor ('docking protein') (SRPR)	NM_003139.1	1
2795 mlob6518	UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 12 (UBIQUITIN THIOLESTERASE 12)(UBIQUITIN-SPECIFIC PROCESSING PROTEASE 12) (DEUBIQUITINATING ENZYME 12) (UBIQUITIN HYDROLYZING ENZYME 1)	spO75317	1
2796 hfc9420	ubiquitin specific protease 11 (USP11)	NM_004651.1	1
2797 miob3695	ASH2L (absent, small, or homeotic, Drosophila, homolog)-like	NM_004674.1	1
2798 ncrb4166	c-myc gene	1001205A	1
2799 hfc9656	colon Kruppel-like factor (CKLF)	AF132818.1	1

## Figure 6A - Continued

2800 ncrb2524	general transcription factor IIF, polypeptide 1 (74kD subunit) (GTF2F1)	NM_002096.1	1
2801 miob6794	hedgehog-interacting protein (Hip)	AF116865.1	1
2802 MIOA5691	HZF3 mRNA for zinc finger protein(ORF)	X78926	1
2803 seob4284	Nef-associated factor 1(NAF1) mRNA	NM_006058.1	1
2804 MIOA8914	retinoblastoma-binding protein 8 (RBBP8)	NM_002894.1	1
2805 FCR0089	transCRiption elongation factor S-II, hS-II-T1	D50495	1
2806 SEOA8242	transCRiption factor 4, Helix-loop-helix transCRiption factor 4 (HTF4/TCF12)	M65209	1
2807 ncr6431	zinc finger protein (PRD51) gene	U88082.1	1
2808 hfc8631	Zinc-finger helicase (hZFH)	U91543.1	1
2809 SEOA6223	capping enzyme (HCE)	AF025654	1
2810 ncrb6639	cleavage and polyadenylation specific factor 4, 30kD subunit (CPSF4)	NM_006693.1	1
2811 FCR3076	DEAD-box protein p72 (P72)	U59321	1
2812 MIOA5558a	TFIID subunit p22	D50544	1
2813 HFCR3118	U5 snRNP 100 kD protein	AF026402.1	1
2814 miob2947	nasopharyngeal carcinoma susceptibility protein	NP_037407.1	1
2815 ncr1510	HLA-B gene (HLA-B*0801 allele), complete cds	D83956.1	1
2816 ncrb7557	diphtheria toxin resistance protein required for diphthamide biosynthesis (Saccharomyces)-like 1 (DPH2L1)	NM_001383.1	1
2817 miob6528	heat-responsive protein 12 (Hrsp12)	NM_008287.1	1
2818 SEOA0784n	neuronal tissue-enriched acidic protein (NAP-22)	AF039656	1
2819 SEOA4132a	xeroderma pigmentosum complementation group C (XPC)=X65024	NM_004628.1	1
2820 hfc8706	carbonic anhydrase II (CA2)	NM_000067.1	1
2821 mioa9505	PKCq-interacting protein PICOT (PICOT) (ORF)	AF118652	1
2822 ncr1712	hect domain and RLD 3 (HERC3)	NM_014606.1	1
2823 SEOA4485	33 kDa Vamp-associated protein (VAP33)	AF044670	1
2824 SEOA2472	CGI-76 protein	AF151834.1	1
2825 MIOA4532a	ankyrin-like protein	Y10601.1	1
2826 MIOA0212a	F-actin capping protein beta subunit	U03271	1
2827 FCR2266	cardiac ventricular troponin C	AF020769	1
2828 SEOA1278a	tropomyosin isoform	Z24727	1
2829 hfc0256	22 kDa peroxisomal membrane protein-like (LOC55895)	NM_018663.1	1
2830 miob5978	angiotensin receptor 1 (AGTR1)	NM_009585.1	1
2831 ncr9754	dickkopf (Xenopus laevis) homolog 1 (DKK1)	NM_012242.1	1
2832 MIOA2796a	epidermal growth factor receptor substrate (eps15)	U07707	1
2833 hfc6992	FYN oncogene related to SRC, FGR, YES (FYN)	NM_002037.1	1
2834 ncrb4962	G protein Golf alpha gene	U55184.1	1
2835 ncrb5965	glucocorticoid receptor alpha	U25029.1	1
2836 hfc2892	Homer, neuronal immediate early gene, 1B (SYN47)	NM_004272.1	1
2837 ncrb0602	interferon, alpha-inducible protein (clone IFI-6-16) (G1P3)	NM_002038.1	1
2838 miob3149	interleukin 6 signal transducer (gp130, oncostatin M receptor) (IL6ST)(= membrane glycoprotein gp130)	NM_002184.1	1
2839 ncrb0916	vesicle-associated soluble NSFattachment protein receptor (v-SNARE; homolog of S.cerevisiae VT11) (RefSeq aa 2e-37)	NP_006361.1	1
2840 hfc8442	mitogen-activated protein kinase 7 (MAPK7)	NM_002749.1	1
2841 MIOA0291	phosphoenolpyruvate carboxykinase (PCK1) (clone lamda-hPEC-3)	L05144	1
2842 hfc0470	serine/threonine protein phosphatase catalytic subunit (LOC51723), mRNA =( protein phosphatase 6)	NM_016294.1	1
2843 miob6459	serine-arginine-rich splicing regulatory protein SRRP86	AAF37578.1	1

## Figure 6A - Continued

2844 BFCS0524	tyrosine kinase (HTK)	U07695	1
2845 ncr4435	cAMP-specific phosphodiesterase 4D (PDE4DN3 gene)	AJ250854.1	1
2846 seob5963	RAB23 protein (LOC51715)(HSPC137)	NM_016277.1	1
2847 hfcr1709	Rab3D (rab3d)	AF263366.1	1
2848 MIOA4326a	alpha-amidating monooxygenase	AF010472	1
2849 ncrb4749	granulin (GRN)	NM_002087.1	1
2850 SEOA5473a	monocyte chemoattractant protein 4	X98306	1
2851 ncr0262	uncharacterized hematopoieticstem/progenitor cells protein MDS031 (RefSeq aa 6e-81)	NP_060936.1	1
2852 SEOA6332	ADP-ribosyltransferase (NAD : poly (ADP-ribose) polymerase)-like 1 (ADPRTL1) (=D79999 KIAA0177; AF158255 vault protein)	gi5915659	1
2853 FCR0997	calgizzarin (=D49355 S100C protein; X80201 MLN70)	D38583	1
2854 hfcr9703	ABC transporter umat (ABCB6 gene)(= MT-ABC transporter)	AJ289233.2	1
2855 HFCR2367	heme-regulated eukaryotic initiation factor 2 alpha kinase (HRI)	AF255050.1	1
2856 ncrb2247	potassium inwardly-rectifying channel, subfamily K, member 1 (RefSeq aa 5e-52)	NP_002236.1	1
2857 seob3903	PAK-interacting exchange factor beta (P85SPR) mRNA	NM_003899.1	1
2858 SEOA1173A	Heterochromatin protein 1 gamma	AB030905.1	1
2859 hfcr6274	histone deacetylase 6 (KIAA0901)	NM_006044.1	1
2860 FCR7675	histone stem-loop binding protein (SLBP)	U75679	1
2861 miob0255	RecQ protein-like (DNA helicase Q1-like) (RECQL)	NM_002907.1	1
2862 SEOB0058	CYCLIN A/CDK2-ASSOCIATED PROTEIN P19 (RNA POLYMERASE II ELONGATION FACTOR-LIKE PROTEIN) (ORGAN OF CORTI PROTEIN 2) (OCP-II PROTEIN) (OCP-2)	spP34991	1
2863 ncr6012	polymerase (RNA) II (DNA directed) polypeptide B (140kD) (RefSeq aa 4e-32)	NP_000929.1	1
2864 FCR6442	10kD protein (BC10)	AF053470	1
2865 fcrb2661	14-3-3 sigma protein promoter and gene, complete cds	AF029081.1	1
2866 MIOA6772a	19.5 protein	M32486	1
2867 FCR4272	1-aminocyclopropane-1-carboxylate synthase	A35516	1
2868 FCR7508	23 kD highly basic protein	X56932	1
2869 hfcr9546	2-hydroxyacid dehydrogenase	AF113251.1	1
2870 ncr0640	2-hydroxyphytanoyl-CoA lyase (RefSeq aa 7e-62)	NP_036392.1	1
2871 MIOA7262a	3-7 gene product	D64159	1
2872 ncr2857	3pv2 and 5p152 genes	sp P39194	1
2873 MIOA8653	40 kDa product (=M19503 ORF1; putative)	AAB59367.1	1
2874 FCR4056	54TmP (54tm) (=S83365 RAB5-interaction protein)	AF004876	1
2875 seob5054	55 kDa protein	AF155658.1	1
2876 hfcr1359	7h3 protein	AF209931	1
2877 ncr4612	88.8 kDa protein	AF225417.1	1
2878 ncr1921	959 kb contig between AML1 and CBR1 on chromosome 21q22, segment 3/3	AJ229043.1	1
2879 miob5749	ABL (M8604 Met) gene	U07561.1	1
2880 ncr0342	acetyl LDL receptor; SREC=scavenger receptor expressed by endothelial cells (SREC),(= KIAA0149 gene)	NM_003693.1	1
2881 FCR6915	acetylserotonin N-methyltransferase-like (ASMTL) (=Y15521)	gi4757793	1
2882 fcr0255	acid phosphatase type 5	X14618	1
2883 FCR3595	Acyl carrier protein, Mitochondrial (ACP) (non-exact 64%)	AC002400	1
2884 HFCR3089	AD-012 protein (LOC55833) (=AB040924 KIAA1491)	gi8923858	1

## Figure 6A - Continued

2885 hfc1795	AD-014 protein	AF150733.1	1
2886 mioa1112m	ADMLX=putative adhesion molecule [human mRNA, 4121 nt, segment 2 of 2]= Kallmann syndrome (KAL)= M97252	S60088	1
2887 seob5771	adrenal gland protein AD-002	AF110775.1	1
2888 ncr2814	adrenal gland protein AD-004 (RefSeq aa 2e-91)	NP_057367.1	1
2889 MIOA5902a	ANC_2H01 (ORF)	AF003924_1	1
2890 hfc5991	ancient ubiquitous protein 1(AUP1), mRNA	NM_012103.1	1
2891 ncr6841	androgen-regulated short-chain dehydrogenase/reductase 1 (ARSDR1)	AF167438.1	1
2892 ncrb5507	antigen NY-CO-25(NY-CO-25) (=KIAA0201)	AF039695.1	1
2893 hfc6774	antigen NY-CO-41 (NY-CO-41)(= clone DKFZp586O0821)	AF039701.1	1
2894 FCR0186	antigen NY-CO-9 (NY-CO-9) (=AB011172 hypothetical protein (KIAA0600))	AF039691	1
2895 fcrb2292	antigenic determinant of recA protein (mouse) homolog, clone MGC:29595 IMAGE:5089578, mRNA, complete cds	BC017309.1	1
2896 ncrb0571	anti-oncogene	M98056.1	1
2897 MIOA4014a	APMCF1 (APMCF1)	AF141882.1	1
2898 ncr4408	arsenate resistance protein ARS2 arsenite-resistance protein 2 (RefSeq aa 2e-37)	NP_056992.1	1
2899 FCR4099	arsenite translocating ATPase (ASNA1) (=U60276)	AF047469	1
2900 BFCN0031	atypical PKC specific binding protein	AB005549	1
2901 MIOB2131	autonomously replicating sequence (ARS)	L08437.1	1
2902 miob1115	autosomal dominant polycystic kidney disease type II (clone 23778)	AF054992.1	1
2903 ncr7473	AV723190 HTB cDNA clone HTBAXA03 5'	AV723190.1	1
2904 ncr8111	B.subtilis YQJC protein (TR:G1303954)	CAA98118.1	1
2905 seob7577	B12 protein	M80783.1	1
2906 SEOB0850a	B17	AF232674.1	1
2907 FCR2167	B6D2F1(clone 2C11B)	U01139	1
2908 FCR7070	Bak protein	U23765	1
2909 ncr0304	BANP homolog (FLJ20538)	NM_017869.1	1
2910 FCR5199	BCL7B protein	X89985	1
2911 FCR5507	BCNT	AB009270	1
2912 ncr7050	beta-ureidopropionase	NM_016327.1	1
2913 ncr7557	blood-stage membrane protein Ag-1 [Plasmodium yoelii]	AF103869	1
2914 ncr5697	BNIP3H (BNIP3H) nuclear gene for mitochondrial product	AF255051.1	1
2915 SEOA0870	Br140	M91585	1
2916 MIOA0089a	brain 4.1(L) protein (=AB002336 Human KIAA0338)	AB019257.1	1
2917 ncrb1899	breast adenocarcinoma marker (32kD) (BC-2)	NM_014453.1	1
2918 ncr1022	BRI3	AF272043.1	1
2919 HFCR6141	brother of CDO (BOC)	AY027658.1	1
2920 SEOA4628a	C13F10.4 gene product [Caenorhabditis elegans]	U97006	1
2921 SEOA5809	C1D protein (nuclear DNA-binding protein)	X95592	1
2922 fcr0195	C367G8.1 (melanoma antigen P15) (LOC124104)	XM_058771.1	1
2923 MIOA3639a	C43H8.1 gene product	AF098499	1
2924 MIOA2475a	C44E4.5 gene product	AF003140	1
2925 ncrb3647	C6f mRNA, partial 3'UTR	U72516.1	1
2926 ncrb8474	calmodulin-like, processed pseudogene (302 bp identical to the 3' untranslated region) (=DKFZp434A012)	M73792.1	1
2927 miob3591	candidate tumor suppressor protein DICE1	AF097645.1	1
2928 miob6245	CDM (=ref[NM_005745.2] accessory proteins BAP31/BAP29)	Z31696.1	1



Figure 6A - Continued

2929 mioa9954	cell-line RPMI 8226 chloride ion current inducer protein I(Cln) gene,	AF232225	1
2930 hfcr1874	CGI-111 protein (LOC51015)	NM_016048.1	1
2931 MIOA0916a	CGI-113 protein	AF151871.1	1
2932 MIOA0294	CGI-126 protein	AF151884.1	1
2933 BFCW0371	chorionic gonadotropin beta subunit	K03189	1
2934 SEOA4518	choroideremia (ORF)	X78121	1
2935 ncr5781	Churchill protein	AAG09759.1	1
2936 ncr8259	citb_173_i_12	AC005887.3	1
2937 miob1826	citb_179_n_3	AC005210.3	1
2938 ncrb4215	citb_43_a_11, complete sequence	AC005880.3	1
2939 hfcr0827	citb_79_e_16, complete sequence	AC005881.3	1
2940 MIOA6035	clock (mouse) homologue (CLOCK) (=AB002332 KIAA0334)	gi4758009	1
2941 ncrb2660	cn04g01.y1 Normal Human Trabecular Bone Cells cDNA clone NHTBC_cn04g01 random	AI750662.1	1
2942 mioa7878	CocoaCrisp (LOC83690), mRNA /cds=(85,1587) /gb=NM_031461 /gi=13899302 /ug=Hs.182364 /len=2667	Hs.182364	1
2943 ncr7666	COP9 subunit 6 (MOV34 homolog, 34 kD)(RefSeq aa 3e-61)	NP_006824.1	1
2944 BFCS0371	COX4AL	AF005888	1
2945 MIOA4602a	cp1508.seq.F Human fetal heart, Lambda ZAP Express cDNA 5'	AA248069	1
2946 ncr0395	CpG island DNA genomic MseI fragment, clone 60h1, reverse read cpg60h1.rt1a	Z61961.1	1
2947 ncr3811	CpG island DNA genomic MseI fragment, clone 70g11, reverse read cpg70g11.rt1a	Z62622.1	1
2948 hfcr1433	CSR2	AB007830.1	1
2949 ncr4774	CTD-2314M3	AC026273.7	1
2950 fcrb2124	CTP synthase (CTPS)	NM_001905.1	1
2951 seoa6830	CUB and Sushi multiple domains 1 (CSMD1), mRNA /cds=(285,10811) /gb=NM_033225 /gi=15100167 /ug=Hs.123468 /len=11301	Hs.123468	1
2952 FCR0226	CX3C chemokine precursor	U84487	1
2953 FCR1657	cystinosin	AJ222967	1
2954 FCR4892	cytokine SDF-1-beta (=L36033)	U16752	1
2955 FCR4824	cytokine-like factor-1 precursor (CLF-1)	AF059293	1
2956 ncr5372	D15F37 pseudogene, S4 allele	AF041081.1	1
2957 hfcr5198	D54 isoform (hD54)	AF004429.1	1
2958 hfcr0954	DAN gene	D89013	1
2959 ncr8901	dbpB-like protein	L28809.1	1
2960 ncr4332	DC11 protein (RefSeq aa 3e-63)	NP_064571.1	1
2961 ncr0749	DC6 protein (RefSeq aa 2e-52)	NP_064574.1	1
2962 FCR4024	D-dopachrome tautomerase (=U49785; Y11151)	AF058293	1
2963 seob6823	DEAD (aspartate-glutamate-alanine-aspartate) box polypeptide 6 (Ddx6)	NM_007841.1	1
2964 seob4726	differentiation-related gene 1 (nickel-specific induction protein) (RTP)	NM_006096.1	1
2965 ncr0747	dJ1158H2.1 (novel protein similar to D. melanogaster CG11048 and CG8959)	CAC05315.1	1
2966 ncr9217	dJ28H20.2 (novel protein)	CAC00561.1	1
2967 ncr4545	dJ671D7.1 (similar to D. melanogaster CG5986 protein)	CAC04152.1	1
2968 ncr4808	dJ756N5.2 (A novel protein (DKFZp727M231) similar to Trp4-associated protein TAP1 (ABCB2))	CAC14946.1	1
2969 miob4692	dJ93K22.1 (novel protein (contains DKFZP564B116))	AL050333	1
2970 MIOA6053a	Dlgh1 homologue	U93309	1

## Figure 6A - Continued

2971 mioa9714	DMBT1 candidate tumour suppressor gene, exons 1 to 55(low match)	AJ243211.1	1
2972 hfcr9258	DMR-N9 myotonic dystrophy kinase (DM kinase) gene	L08835.1	1
2973 BFCW0102n	DNA containing putative Ac-like transposon	Y17156	1
2974 seob5726	DNA for tob family, complete cds	D78382.1	1
2975 ncr8456	Down syndrome critical region gene 1-like 1	NM_005822.1	1
2976 SEOB3485	down-regulator of transCRiption 1, TBP-binding (negative cofactor 2) (DR1)	NM_001938.1	1
2977 SEOA6654a	DROME TWISTED GASTRULATION PROTEIN PRECURSOR	spP54356	1
2978 ncrb4224	DSCR5a	AB037162.1	1
2979 ncr1885	dUTP pyrophosphatase (DUT)	NM_001948.1	1
2980 ncrb4145	DVS27-related protein	BAA75892.1	1
2981 FCR2684	DXS8237E (=D50912 hypothetical protein (KIAA0122))	U35373	1
2982 fCR0558	dye	U77595	1
2983 ncr6861	E46 protein	AF119662.1	1
2984 ncr1995	early B-cell transcription factor (EBF)	AF208502.1	1
2985 hfcr5737	early development regulator 2 (homolog of polyhomeotic 2) (EDR2), mRNA	NM_004427.1	1
2986 FCR0470	EB1	U24166	1
2987 fcrb2207	EF1a-like protein	AF267861.1	1
2988 ncr0103	endogenous retrovirus H HERV-H/env62 proviral copy, clone 231E12	AJ289709.1	1
2989 MIOA2421a	endogenous retrovirus HERV-K102	AF164610.1	1
2990 FCR4040	endogenous retrovirus type C oncovirus sequence	M74509	1
2991 MIOA0478	envelope protein	AF164615	1
2992 FCR3559	EPC-1 (=M76979 PEDF;U29953;M90493)	U57446	1
2993 MIOA2981a	ER1 (=AB033019 KIAA1193) (67% aa)	AF015454	1
2994 hfcr8796	erbB2-interacting protein ERBIN	NM_018695.1	1
2995 FCR5006	ERp28 protein	X94910	1
2996 mioa0573a	esophageal cancer related gene 4 protein (ECRG4), mRNA /cds=(108,554) /gb=NM_032411 /gi=14165275 /ug=Hs.43125 /len=772	Hs.43125	1
2997 ncr0927	ETAA16 protein (RefSeq aa 1e-75)	NP_061875.1	1
2998 SEOA8266	EXOSTOSIN-1 (PUTATIVE TUMOR SUPPRESSOR PROTEIN EXT1) (MULTIPLE EXOSTOSES PROTEIN 1)	spQ16394	1
2999 mioa9865	F1D9.26-unknown protein [Arabidopsis thaliana](71%ORF)	BAA97098.1	1
3000 hfcr3518	faciogenital dysplasia (Aarskog-Scott syndrome) (FGD1), mRNA	NM_004463.1	1
3001 fcrb2575	f-box and leucine-rich repeat protein 11 (FBXL11), mRNA	XM_040025.2	1
3002 fcrb2622	f-box and leucine-rich repeat protein 3A (FBXL3A), mRNA	NM_012158.1	1
3003 fcrb1550	FEZ2 protein (FEZ2)	AF113124.1	1
3004 miob4712	fgr proto-oncogene encoded p55-c-fgr protein	M19722.1	1
3005 SEOA2784	FH1/FH2 domain-containing protein FHOS (FHOS)	AF113615.1	1
3006 ncr8903	FLAME-1	AAB70909.1	1
3007 SEOA0424n	fosB	X14897	1
3008 hfcr2314	FT005 protein (FT005)	NM_014054.1	1
3009 mioa7908	fused in glioblastoma mRNA, complete cds /cds=(207,1571) /gb=AY033606 /gi=14289128 /ug=Hs.23120 /len=4567	Hs.23120	1
3010 fcrb1547	FXD domain-containing ion transport regulator 6 (FXD6)	NM_022003.1	1
3011 ncr4466	G antigen 1	XP_010196.1	1

Figure 6A - Continued

3012 ncr4503	G9011 gene product	AAF52302.2	1
3013 FCR0149	ganglioside-induced differentiation associated protein 3	Y17852	1
3014 ncr4647	GASC-1	AB037901.1	1
3015 ncr7131	gcp372	BAA05025.1	1
3016 MIOA5614a	GEC-1 (gec-1)	AF012920	1
3017 FCR2660	GEF-2	AB003515	1
3018 MIOA4196	GEG-154 mRNA	X71642	1
3019 miob4581	gene 33 polypeptide	M23572.1	1
3020 ncr5066	gene encoding HLA-Cw6	Z22754.1	1
3021 ncr8733	gene_id:F1D9.26~unknown protein	AP002460	1
3022 seoa8004	GILZ, complete cds /cds=(233,637) /gb=AB025432 /gi=11527558 /ug=Hs.75450 /len=2028	Hs.75450	1
3023 ncr7411	GK001 protein (GK001),	NM_020198.1	1
3024 ncr3856	GK003 (GK003)	AF226046.1	1
3025 ncr5565	GL002 protein (GL002)	NM_020193.1	1
3026 SEOA0023	golgi antigen gcp372	D25542.1	1
3027 hfcr7558	GSTmu3 gene for a glutathione S-transferase Mu class protein	X56838.1	1
3028 hfcr3729	Gx protein	AF120103.1	1
3029 SEOA5848	hamartin (TSC1)	AF013168	1
3030 miob6419	haplotype D6 beta-globin (HBB) gene, replication origin initiation region and partial cds	AF186620.1	1
3031 ncr5245	hBKLF for basic kruppel like factor (LOC51274)	NM_016531.1	1
3032 ncr3702	HBV associated factor(XAP4)	NM_006462.1	1
3033 ncr4790	HC71C	AF177343.1	1
3034 seoa0102m	hCDC10=CDC10 homolog	S72008	1
3035 SEOA4398a	hcgVIII protein	X92110	1
3036 seoa7681a	HCMOGT-1 mRNA for sperm antigen, complete cds /cds=(144,2423) /gb=AB041533 /gi=10798803 /ug=Hs.15053 /len=2725	Hs.15053	1
3037 seob4079	HDCMB12P	AF067802.1	1
3038 ncr8865	HDCMC04P	AF067804.1	1
3039 fcrb1380	HDCMC28P protein (HDCMC28P)	NM_016649.1	1
3040 ncr6841	HELG protein (HELG)	NM_018412.1	1
3041 ncr7789	hematopoietic stem/progenitor cells protein MDS027 (MDS027), mRNA	NM_018462.1	1
3042 hfcr2505	HF.12 gene	X07290.1	1
3043 ncrb2992	HGTD-P (HGTD-P) (=E2IG5)	AF201944.1	1
3044 FCR6811	HIS1 protein	AB021179	1
3045 FCR7667	hMSH6	U73737	1
3046 mioa9630	homolog of yeast mutL (hPMS1) gene	U13695.1	1
3047 SEOA5544a	hook1 protein (69% aa)	AF044923	1
3048 fcrb2552	HOTTL protein mRNA, complete cds	AF078842.1	1
3049 FCR5222	HPBR11-4	X67337	1
3050 FCR2079	hSLK (=D86959 hypothetical protein (KIAA0204))	AB002804	1
3051 ncr5717	HSPC006	AF070662.1	1
3052 fcrb2545	HSPC009 protein (HSPC009), mRNA	NM_014019.1	1
3053 SEOB1891	HSPC028	AF083246.1	1
3054 ncr6495	HSPC030	AF085359.1	1
3055 SEOA4727a	HSPC031 mRNA,=CGI-37 protein (ORF)	AF085360	1
3056 seob6558	HSPC038 protein (LOC51123)	NM_016096.1	1
3057 ncr9159	HSPC040 protein (RefSeq aa 1e-58)	NP_057182.1	1
3058 MIOA3673a	HSPC042 protein (contains Alu repeat)	AF125096.1	1
3059 hfcr6628	HSPC049 protein (HSPC049)	NM_014149.1	1
3060 SEOB2148	HSPC055 protein (HSPC055) (=FLJ11007 fis)	NM_014153.1	1
3061 ncr3624	HSPC056 protein (HSPC056)	NM_014154.1	1
3062 hfcr0731	HSPC059 protein (HSPC059)	NM_016536.1	1
3063 SEOB0339	HSPC071	AF161556.1	1

Figure 6A - Continued

3064 ncr2401	HSPC092	AF161355.1	1
3065 ncr2393	HSPC093 (aa 9e-13,65%)	AAF28916.1	1
3066 SEOB0008	HSPC121 (=B-ind1 protein)	AAF29085.1	1
3067 SEOA3694a	HSPC125	AF161474	1
3068 ncrb3317	HSPC126 protein (RefSeq aa 4e-46)	NP_054885.1	1
3069 ncrb7667	HSPC140 (=SUMO-1-activating enzyme E1 N subunit (SUA1))	AF161489.1	1
3070 fcrb1489	HSPC141 protein (HSPC141)(= sex-regulated protein janus-a mRNA)	XM_038043.1	1
3071 ncr0859	HSPC144 protein (RefSeq aa 1e-69)	NP_054893.1	1
3072 hfcr0010	HSPC145	AF161494.1	1
3073 MIOA8810	HSPC151	AAF29115.1	1
3074 miob4037	HSPC154 protein (HSPC154)	NM_014177.1	1
3075 SEOB0375	HSPC155	AF161504.1	1
3076 ncr4859	HSPC160 protein (RefSeq aa 5e-77)	NP_054901.1	1
3077 fcrb1801	HSPC164	XM_009549.4	1
3078 ncr0292	HSPC173 mRNA,	AF161521.1	1
3079 ncrb1519	HSPC174	AF161522.1	1
3080 fcrb1940	HSPC176	AF161524.1	1
3081 seoa6772	HSPC177	BC016698.1	1
3082 ncr9108	HSPC182 protein (HSPC182)	NM_014188.1	1
3083 SEOB2149	HSPC184	AF151018.1	1
3084 ncr9324	HSPC187	AF151021.1	1
3085 hfcr9283	HSPC197	AF151031.1	1
3086 hfcr6243	HSPC199	AF151033.1	1
3087 ncrb2108	HSPC209	AF151043.1	1
3088 MIOA3471a	HSPC210	AF151044	1
3089 miob0167	HSPC212	AF151046.1	1
3090 SEOB1748	HSPC235	AF151069.1	1
3091 ncr5613	HSPC240	AF151074.1	1
3092 SEOB0394	HSPC245	AF151079.1	1
3093 SEOA8750	HSPC261 (=DKFZp564B0769.1)	AAF28939.1	1
3094 ncr4383	HSPC273 (=KIAA1192)	AF161391.1	1
3095 ncrb4620	HSPC274 protein (RefSeq aa 1e-38)	NP_054864.1	1
3096 ncr3927	HSPC299	AF161417.1	1
3097 ncr8171	HSPC301	AF161419.1	1
3098 ncrb5909	HSPC306	AF161424.1	1
3099 ncr9877	HSPC311	AF161429.1	1
3100 SEOB1187	HSPC331 (=SPF31)	AAF29009.1	1
3101 fcrb0376	HT002 protein (HT002)	NM_014066.1	1
3102 HFCR3149	HT015 protein (HT015)	AF223466.1	1
3103 FCR0706	HU-K4	U60644	1
3104 hfcr0963	human homolog of a mouse imprinted gene	AB006625	1
3105 ncr6376	HUT11 protein mRNA, partial 3' UTR	AF263545.1	1
3106 ncr8856	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit (HADHB)	NM_000183.1	1
3107 ncr7595	hypothalamus protein HBEX2	XP_010123.1	1
3108 SEOA7223a	hypothalamus protein HT001 (=AF225981 calcium transport ATPase ATP2C1)	AF113539	1
3109 ncr9055	hypothetical brain protein similar to X96994 BR-1 protein (Helix pomatia) (LOC56412)	NM_019836.1	1
3110 seoa1028m	hypothetical garp protein	CAB63561.1	1
3111 seoa8075	hypothetical gene (AK026938 (LOC91933))	XM_041609.2	1
3112 fcrb2150	hypothetical gene (AL137319; NM_017586) (LOC115423)	XM_011838.3	1
3113 fcr5736	hypothetical gene (BC009875; BC014023 (LOC115010))	XM_055021.1	1
3114 fcrb2120	hypothetical gene (LOC87167)	XM_016787.2	1

## Figure 6A - Continued

3115 fcrb1451	hypothetical gene (LOC87240)	XM_015947.2	1
3116 fcrb2133	hypothetical gene (LOC96648)	XM_055006.1	1
3117 fcrb1345	hypothetical gene AK023725 (LOC92923)	XM_048072.1	1
3118 fcrb2307	hypothetical gene supported by AF055004 (LOC93477), mRNA	XM_051593.3	1
3119 fcrb2353	hypothetical gene supported by AF132973; BC000589; BC009189; NM_015965 (LOC112763), mRNA	XM_048487.3	1
3120 seoa4973a	hypothetical gene supported by AF267861; AK026650 (LOC88021), mRNA	XM_016170.4	1
3121 seoa4964a	hypothetical gene supported by AK027830; AL137274 (LOC126897), mRNA	XM_072050.1	1
3122 fcrb2693	hypothetical gene supported by AL096738; BC013144 (LOC115576),	XM_047202.2	1
3123 fcrb2320	hypothetical gene supported by AL137544 (LOC90025), mRNA	XM_028218.2	1
3124 fcrb2350	hypothetical gene supported by BC008765 (LOC130852), mRNA	XM_059474.1	1
3125 fcrb2474	hypothetical gene supported by BC009329 (LOC121573), mRNA	XM_071761.1	1
3126 fcrb2305	hypothetical gene supported by BC009875; BC014023 (LOC138327), mRNA	XM_072528.1	1
3127 fcrb2331	hypothetical gene supported by D38441; AF141383; BC000362; BC001826; NM_001640 (LOC95915), mRNA	XM_002828.5	1
3128 fcr3149	hypothetical gene supported by U60644 (LOC126527)	XM_047409.2	1
3129 ncr3706	hypothetical gene supported by XM_000590 (LOC59176)	XM_000590.1	1
3130 mioa7859	hypothetical gene supported by XM_059059 (LOC126616), mRNA	XM_059059.1	1
3131 seoa8017	hypothetical gene supported by Y10313; BC001272; NM_001550 (LOC95049), mRNA	XM_011551.5	1
3132 ncr4218	hypothetical protein	B34087	1
3133 ncr6741	hypothetical protein	CAB43380.1	1
3134 ncr3596	hypothetical protein	CAB55973.1	1
3135 ncr4875	hypothetical protein	CAB70761.1	1
3136 ncr1168	hypothetical protein (aa 2e-27)	NP_062551.1	1
3137 fcrb2118	hypothetical protein (CL25084)	XM_056548.1	1
3138 seoa8161	hypothetical protein (LOC51060), mRNA	XM_045762.1	1
3139 seoa8108	hypothetical protein (LOC51255), mRNA /cds=(0,461) /gb=NM_016494 /gi=7706038 /ug=Hs.11156 /len=462	Hs.11156	1
3140 ncr6332	hypothetical protein (LOC51315)	NM_016618.1	1
3141 fcrb1580	hypothetical protein (MGC4175)	XM_016063.2	1
3142 fcrb1560	hypothetical protein (MGC4415)	XM_050738.2	1
3143 ncr7926	Hypothetical protein (non-exact 37-54% a.a.)	NP_061952.1	1
3144 mioa1183m	hypothetical protein (ORF)(48%)	AL050011	1
3145 ncr9947	hypothetical protein (RefSeq aa 2e-38)	NP_056198.1	1
3146 ncr4996	hypothetical protein (RefSeq aa 2e-60)	NP_057280.1	1
3147 ncr0573	hypothetical protein (RefSeq aa 3e-61)	NP_056999.1	1
3148 ncr5907	hypothetical protein (RefSeq aa 5e-50)	NP_057169.1	1
3149 ncr1593	hypothetical protein (RefSeq aa 5e-63)	NP_056158.1	1
3150 ncrb8383	hypothetical protein (RefSeq aa 9e-33)	NP_057711.1	1
3151 ncr6015	hypothetical protein (RefSeq aa 9e-43)	NP_057701.1	1
3152 fcrb1775	hypothetical protein (XP_029545)	XP_029545.1	1
3153 ncrb7994	hypothetical protein ASH1 (RefSeq aa 2e-68)	NP_060959.1	1
3154 mioa0347m	hypothetical protein clone 24952 mRNA	AF131758	1
3155 ncr5310	hypothetical protein HDCMC04P	XP_004843.1	1
3156 fcrb2746	hypothetical protein IMAGE3455200 (IMAGE3455200), mRNA	NM_024006.1	1

Figure 6A - Continued

3157 fcrb2460	hypothetical protein MGC10753 (MGC10753), mRNA	NM_016628.1	1
3158 seoa7983	hypothetical protein MGC10947 (MGC10947), mRNA /cds=(906,1223) /gb=NM_032674 /gi=14249241 /ug=Hs.326740 /len=2090	Hs.326740	1
3159 mioa7637a	hypothetical protein MGC14433 (MGC14433), mRNA /cds=(174,326) /gb=NM_032904 /gi=14249675 /ug=Hs.83572 /len=1797	Hs.83572	1
3160 fcrb2163	hypothetical protein MGC14833 (MGC14833)	XM_042640.1	1
3161 seoa7856a	hypothetical protein MGC2217 (MGC2217), mRNA /cds=(192,449) /gb=NM_024300 /gi=13236525 /ug=Hs.323164 /len=1669	Hs.323164	1
3162 fcrb2671	hypothetical protein MGC2744, clone MGC:4371 IMAGE:2823004, mRNA, complete cds	BC019324.1	1
3163 seoa7049	hypothetical protein MGC2827 (MGC2827), mRNA /cds=(189,935) /gb=NM_023940 /gi=13027611 /ug=Hs.8035 /len=1988	Hs.8035	1
3164 fcrb2102	hypothetical protein MGC3178 (MGC3178)	XM_037853.1	1
3165 fcrb2034	hypothetical protein MGC3200 (MGC3200)	XM_034630.1	1
3166 seoa4929a	hypothetical protein MGC3251 (MGC3251), mRNA /cds=(93,797) /gb=NM_032016 /gi=14042926 /ug=Hs.13467 /len=1591	Hs.13467	1
3167 fcrb1353	hypothetical protein MGC4174 (MGC4174)	XM_018439.2	1
3168 fcrb2449	hypothetical protein MGC5306 (MGC5306), mRNA	XM_048376.1	1
3169 mioa7650a	hypothetical protein similar to mouse Dnajl1 (DNAJL1), mRNA /cds=(202,1224) /gb=NM_022365 /gi=11641286 /ug=Hs.13015 /len=1350	Hs.13015	1
3170 ncrb3165	HYPOTHETICAL PROTEIN ZAP3	P49750	1
3171 seoa4957a	hypothetical protein, clone MGC:19514 IMAGE:4040098, mRNA, complete cds	BC011720.1	1
3172 seoa4901a	hypothetical protein, clone MGC:20386 IMAGE:4564286, mRNA, complete cds	BC015919.1	1
3173 ncrb8569	hypothetical protein, expressed in osteoblast (GS3686)	NM_006820.1	1
3174 mioa7844a	I factor (complement) (IF), mRNA /cds=(14,1765) /gb=NM_000204 /gi=4504578 /ug=Hs.36602 /len=1963	Hs.36602	1
3175 ncrb3298	ID YG39-2B	AJ227863.1	1
3176 ncrb9481	IFI16b (IFI16b)	AF208043.1	1
3177 ncrb6994	IkB kinase-b(IKK-beta) mRNA, complete cds	AF080158.1	1
3178 ncr4680	IL0-CT0080-030899-107-c07 CT0080	AW062569.1	1
3179 seoa8050	I-mfa domain-containing protein (HIC), mRNA	XM_041273.1	1
3180 MIOA9007	implantation-associated protein (IAG2) (ORF)	AF008554	1
3181 SEOB0625	INE2	Y10697.1	1
3182 ncr9961	infant brain mRNA, clone 13cDNA65	U57962.1	1
3183 SEOA5833	ING1Lp	AB012853.1	1
3184 FCR5123	inner mitochondrial membrane translocase Tim1+D23777b, nuclear gene encoding mitochondrial protein (=AF077039)	AF034790	1
3185 seob5812	insulin induced gene 1 (INSIG1)	NM_005542.1	1
3186 hfcr3552	integrative vector pRS306 with URA3 marker, complete sequence	U03438.1	1
3187 ncrb0299	interferon-induced, hepatitis C-associated microtubular aggregate protein (44kD) (MTAP44)	NM_006417.1	1
3188 ncr1802	intracisternal A particle-promoted polypeptide (IPP)	NM_005897.1	1
3189 seoa4925a	IRA1 mRNA, complete cds, alternatively spliced /cds=(160,1704) /gb=AF268193 /gi=12006103 /ug=Hs.315111 /len=3885	Hs.315111	1
3190 hfcr7411	Isoform 1 from chromosome 22	AL359401.1	1

## Figure 6A - Continued

3191 hfc9573	isoform 2 of a novel human mRNA from chromosome 22(=Isoform 1 of a novel human mRNA from chromosome 22)	AL160112.1	1
3192 hfc93893	ITBA2 protein(ORF)	X92896.1	1
3193 MIOA8594	J domain containing protein 1 isoform a	AAD52650.1	1
3194 fcrb2156	JAZF1 (JJAZ1)	XM_050093.1	1
3195 seob4537	jerky (mouse) homolog-like (JRKL)	NM_003772.1	1
3196 ncr3587	kappa B-ras	AF229839.1	1
3197 SEOB0034	KFZp586B1821	AL133114.1	1
3198 SEOA0353	KH domain RNA binding protein QKI-5B	AF090403.1	1
3199 FCR4566	KIAA0008	D13633	1
3200 SEOB1269	KIAA0013	D87717.1	1
3201 ncr6749	KIAA0020 gene product (KIAA0020)	NM_014878.1	1
3202 SEOA7926a	KIAA0029	D21852	1
3203 MIOB1520	KIAA0033	D26067.1	1
3204 ncrb8204	KIAA0035 gene	D21262.1	1
3205 ncr0829	KIAA0051 gene	D29640.1	1
3206 ncrb8638	KIAA0052 protein, partial cds	D29641.2	1
3207 seob5711	KIAA0063 gene product (KIAA0063)	NM_014876.1	1
3208 ncr1595	KIAA0078 gene	D38551.1	1
3209 hfc8902	KIAA0088 gene, partial cds	D42041.1	1
3210 ncr1523	KIAA0089 gene	D42047.1	1
3211 hfc9122	KIAA0091 gene	D42053.1	1
3212 FCR1992	KIAA0096	D43636	1
3213 MIOA3503a	KIAA0098 (chaperonin containing TCP-1)	D43950	1
3214 FCR4376	KIAA0101	D14657	1
3215 seoa0993m	KIAA0108 (golgi 4-transmembrane spanning transporter MTP)	D14696	1
3216 ncr6142	KIAA0109 gene	D63475.1	1
3217 FCR6801	KIAA0110	D14811	1
3218 fcrb2054	KIAA0123 protein (KIAA0123)	XM_054752.1	1
3219 FCR0419	KIAA0150	D63484	1
3220 FCR2220	KIAA0154	D63876	1
3221 ncrb3363	KIAA0157 gene, partial	D63877.1	1
3222 ncr3121	KIAA0171 gene product (KIAA0171)	NM_014666.1	1
3223 MIOA2696a	KIAA0184	D80006	1
3224 ncr5488	KIAA0190 gene	D80012.1	1
3225 seob5100	KIAA0193 gene product (KIAA0193)	NM_014766.1	1
3226 SEOA4128a	KIAA0197 gene	D83781	1
3227 hfc7277	KIAA0200 gene	NM_014757.1	1
3228 hfc7098	KIAA0220	D86974.1	1
3229 hfc1793	KIAA0224	NM_014003.1	1
3230 MIOA1049	KIAA0240	D87077	1
3231 seoa8018	KIAA0247 gene product (KIAA0247), mRNA /cds=(268,1179) /gb=NM_014734 /gi=7662019 /ug=Hs.82426 /len=5338	Hs.82426	1
3232 ncrb8515	KIAA0257 gene, partial cds	D87446.1	1
3233 ncr3313	KIAA0259	D87448.1	1
3234 fcrb1635	KIAA0263 protein	D87452.1	1
3235 ncr3016	KIAA0268 gene	D87742.1	1
3236 ncr7712	KIAA0271 gene	D87461	1
3237 seoa6776	KIAA0280 gene, partial cds /cds=UNKNOWN /gb=D87470 /gi=1665822 /ug=Hs.75400 /len=6837	Hs.75400	1
3238 SEOA9690	KIAA0281 gene product	NM_014800.1	1
3239 ncr1982	KIAA0286 gene	AB006624.1	1
3240 ncr3258	KIAA0290 (non-exact match 80% a.a.)	BAA22959.1	1
3241 miob1126	KIAA0294	NM_014629.1	1
3242 seob6871	KIAA0297 gene	AB002295.1	1
3243 ncr7456	KIAA0301 gene	AB002299.1	1

Figure 6A - Continued

3244 ncr4590	KIAA0305 gene product (RefSeq aa 2e-32)	NP_055548.1	1
3245 hfcr9170	KIAA0323 gene	AB002321.1	1
3246 FCR1204	KIAA0337	AB002335	1
3247 FCR4727	KIAA0361	AB002359	1
3248 FCR3389	KIAA0365	AB002363	1
3249 seob8196	KIAA0367	AB002365.1	1
3250 MIOB1493	KIAA0373	AB002371.1	1
3251 ncr1550	KIAA0391 gene product (RefSeq aa 2e-31)	NP_055487.1	1
3252 hfcr8485	KIAA0393	AB002391.2	1
3253 SEOB0783a	KIAA0395	AB007855.1	1
3254 fcrb1945	KIAA0397 gene product (KIAA0397)	XM_029438.1	1
3255 ncr4654	KIAA0399	AB007859.2	1
3256 FCR2641	KIAA0402	AB007862	1
3257 FCR6224	KIAA0405	AB007865	1
3258 hfcr6689	KIAA0407	AB007867.1	1
3259 ncr4399	KIAA0409	AB007869.1	1
3260 SEOA4055	KIAA0416	AB007876	1
3261 hfcr9090	KIAA0418 gene	NM_014631.1	1
3262 MIOA6690a	KIAA0430	AB007890	1
3263 FCR5679	KIAA0437	AB007897	1
3264 SEOA1080a	KIAA0441	AB007901	1
3265 ncr2796	KIAA0442	AB007902.1	1
3266 FCR6876	KIAA0445	AB007914	1
3267 MIOA8742	KIAA0469	AB007938	1
3268 MIOA9025	KIAA0473 gene product	NM_014787.1	1
3269 FCR4804	KIAA0487 chromosome 1 specific transCRipt)	AB007956	1
3270 ncr7136	KIAA0494	NM_014774.1	1
3271 SEOA9377	KIAA0511 protein	AB011083	1
3272 MIOA8733	KIAA0516	BAA25442.1	1
3273 seob7463	KIAA0517 protein	AB011089.1	1
3274 ncr7815	KIAA0518 (=mouse Mad5)	AB011090.1	1
3275 FCR6427	KIAA0524	AB011096	1
3276 SEOB1968	KIAA0528	AB011100.2	1
3277 FCR6691	KIAA0529	AB011101	1
3278 seob6008	KIAA0532	AB011104.1	1
3279 SEOA1559	KIAA0536	AB011108	1
3280 ncr2701	KIAA0538 protein, partial cds	AB011110.2	1
3281 SEOA9160	KIAA0549 protein	AB011121	1
3282 MIOA8872	KIAA0554 (=DKFZp564O1116)	AB011126	1
3283 MIOA7215a	KIAA0565	AB011137	1
3284 SEOB0241	KIAA0584	AB011156.1	1
3285 FCR3593	KIAA0593	AB011165	1
3286 hfcr6541	KIAA0601	AB011173.1	1
3287 FCR5630	KIAA0608	AB011180	1
3288 MIOA5427a	KIAA0614	AB014514	1
3289 FCR1555	KIAA0615	AB014515	1
3290 miob5967	KIAA0621	NM_015071.1	1
3291 ncr5061	KIAA0625	AB014525.1	1
3292 ncrb7657	KIAA0627 protein	AB014527.1	1
3293 SEOA1803a	KIAA0628	AB014528	1
3294 MIOA8275	KIAA0643	AB014543	1
3295 FCR3445	KIAA0644	AB014544	1
3296 seob6066	KIAA0647 protein	AB014547.1	1
3297 FCR3857	KIAA0649 (=L11910 retinoblastoma susceptibility gene)	AB014549	1
3298 ncr6148	KIAA0650	AB014550.1	1
3299 FCR0291	KIAA0652	AB014552	1
3300 hfcr0717	KIAA0657 protein	AB014557.1	1
3301 ncr2700	KIAA0658	AB014558	1



## Figure 6A - Continued

3302 ncrb0664	KIAA0668 protein	AB014568.1	1
3303 FCR7684	KIAA0669	AB014569	1
3304 mioa9523	KIAA0677 gene product (KIAA0677)	NM_014663.1	1
3305 SEOA9538	KIAA0678	AB014578	1
3306 seob4584	KIAA0690 protein	AB014590.1	1
3307 fcrb2257	KIAA0700 protein (KIAA0700)	XM_050561.2	1
3308 mioa7728a	KIAA0707 protein, partial cds /cds=UNKNOWN /gb=AB014607 /gi=3327227 /ug=Hs.234786 /len=6359	Hs.234786	1
3309 MIOA0937	KIAA0714	AB018257.1	1
3310 MIOA8925	KIAA0721	AB018264.1	1
3311 hfcr6501	KIAA0726	NM_014718.1	1
3312 ncr0761	KIAA0733	AB018276.1	1
3313 FCR5029	KIAA0737	AB018280	1
3314 ncr3391	KIAA0742	AB018285.1	1
3315 fcrb2169	KIAA0752 protein (KIAA0752)	XM_040324.1	1
3316 mioa9804	KIAA0758 protein	AB018301	1
3317 hfcr2148	KIAA0764	NM_014860.1	1
3318 hfcr3435	KIAA0774	AB018317.1	1
3319 miob3465	KIAA0781	AB018324.1	1
3320 SEOA8239	KIAA0784	AB018327.1	1
3321 ncr8153	KIAA0788	AB018331.1	1
3322 ncrb0773	KIAA0790 protein	AB018333.1	1
3323 fcrb2738	KIAA0795 protein (KIAA0795), mRNA	XM_016166.3	1
3324 ncrb4536	KIAA0798 gene product (KIAA0798)	NM_014650.1	1
3325 ncrc9530	KIAA0801 gene product (RefSeq aa 3e-73)	NP_055644.1	1
3326 ncrc5405	KIAA0823 protein, partial cds	AB020630.1	1
3327 seob5423	KIAA0826	AB020633	1
3328 SEOA0116	KIAA0831	AB020638.1	1
3329 ncrb1314	KIAA0836 protein	AB020643.1	1
3330 hfcr4063	KIAA0840 protein	AB020647.1	1
3331 ncrc9351	KIAA0856	AB020663.1	1
3332 seob4545	KIAA0857 protein (=DKFZp434H018)	AB020664.1	1
3333 ncrb8091	KIAA0859	AB020666.2	1
3334 FCR4592	KIAA0860	AB020667	1
3335 ncrb2131	KIAA0866 protein	AB020673.1	1
3336 miob0189	KIAA0867	NM_014938.1	1
3337 ncrc7173	KIAA0874	AB020681.1	1
3338 SEOA3633a	KIAA0878 (contains Alu repeat)	AB020685.1	1
3339 SEOB1411	KIAA0879 protein (KIAA0879)	NM_014936.1	1
3340 SEOA4783a	KIAA0883	AB020690	1
3341 ncrc0090	KIAA0887 protein,	AB020694.1	1
3342 seob1054	KIAA0890 protein (KIAA0890)	NM_014966.1	1
3343 hfcr2740	KIAA0892	AB020699.1	1
3344 MIOA2172a	KIAA0898	AB020705.1	1
3345 hfcr7808	KIAA0908 protein	AB020715.1	1
3346 ncr5822	KIAA0912	AB020719.1	1
3347 hfcr0237	KIAA0922	AB023139.1	1
3348 SEOA6172a	KIAA0923	AB023140.1	1
3349 MIOA9103	KIAA0926 protein (KIAA0926),	NM_014922.1	1
3350 HFCR2391	KIAA0937	AB023154.1	1
3351 ncrc4139	KIAA0940 protein (RefSeq aa 3e-75)	NP_055727.1	1
3352 SEOA5525a	KIAA0941	AB023158.1	1
3353 hfcr8533	KIAA0946	AB023163.1	1
3354 SEOB2242	KIAA0949	AB023166.1	1
3355 SEOA9921	KIAA0951 protein (KIAA0951),	NM_014893.1	1
3356 ncrb5233	KIAA0957 protein (RefSeq aa 1e-33)	NP_055757.1	1
3357 hfcr6626	KIAA0961 protein	NM_014898.1	1
3358 hfcr0270	KIAA0962(=DKFZp564D022)	AB023179.1	1

Figure 6A - Continued

3359 fcrb1168	KIAA0974	AB023191	1
3360 ncr2807	KIAA0979 protein	BAA76823.1	1
3361 mioa9788	KIAA0980	AB023197	1
3362 SEOA9099	KIAA0981	AB023198.1	1
3363 seob7668	KIAA0996	NM_014934.1	1
3364 ncr1578	KIAA1007 protein (KIAA1007)	NM_016284.1	1
3365 MIOA2423a	KIAA1018	AB023235.1	1
3366 ncr1503	KIAA1023	AB028946	1
3367 SEOA7186a	KIAA1028	AB028951.1	1
3368 SEOB0466	KIAA1031	AB028954.1	1
3369 hfcr7739	KIAA1041	NM_014947.1	1
3370 SEOA5933	KIAA1042	AB028965.1	1
3371 ncr0806	KIAA1044	AB028967.1	1
3372 ncrb2125	KIAA1046 protein (KIAA1046)	NM_014928.1	1
3373 SEOB0122	KIAA1049	AB028972.1	1
3374 MIOA2783a	KIAA1050	AB028973.1	1
3375 hfcr3011	KIAA1055	AB028978.1	1
3376 SEOA1365	KIAA1057	AB028980.1	1
3377 hfcr5620	KIAA1067	AB028990.1	1
3378 MIOA1068	KIAA1071	AB028994.1	1
3379 hfcr8052	KIAA1075 protein	AB028998.1	1
3380 ncrb3574	KIAA1078 protein,	AB029001.1	1
3381 ncr7037	KIAA1085	AB029008.1	1
3382 MIOA2995a	KIAA1093	AB029016.1	1
3383 ncr6856	KIAA1095 protein, partial cds	AB029018.1	1
3384 SEOA6315	KIAA1097	AB029020.1	1
3385 ncr9436	KIAA1098 protein	AB029021.1	1
3386 ncrb4175	KIAA1099 protein (KIAA1099)	NM_014914.1	1
3387 MIOA3773	KIAA1109	AB029032.1	1
3388 fcrb2145	KIAA1110 protein	AB029033.1	1
3389 hfcr5797	KIAA1114 protein (KIAA1114)	NM_016157.1	1
3390 ncrb3942	KIAA1116 protein (KIAA1116)	NM_014892.1	1
3391 ncr3677	KIAA1119 protein	AB032945.1	1
3392 seob4002	KIAA1122	AB032948	1
3393 ncr0662	KIAA1124	AK000716.1	1
3394 ncr9421	KIAA1143 protein	AB032969.1	1
3395 ncr9044	KIAA1146	AB032972.1	1
3396 miob3124	KIAA1147 protein	AB032973.1	1
3397 MIOB2601	KIAA1151	AB032977.1	1
3398 ncr7168	KIAA1156	AB032982.1	1
3399 ncrb8715	KIAA1164 protein, partial cds	AB032990.1	1
3400 ncr0594	KIAA1165	AB032991.1	1
3401 ncrb7194	KIAA1178	AB033004.1	1
3402 ncr91949	KIAA1179	AB033005.1	1
3403 hfcr2584	KIAA1180	AB033006.1	1
3404 hfcr8837	KIAA1187 protein	AB033013.1	1
3405 ncr0178	KIAA1197 protein, partial cds	AB033023.1	1
3406 mioa9398	KIAA1213 (low match)	AB033039	1
3407 MIOA8314	KIAA1214	BAA86528.1	1
3408 miob0207	KIAA1218	AB033044.1	1
3409 ncrb7635	KIAA1224	AB033050.1	1
3410 seob7549	KIAA1229	AB033055.1	1
3411 ncrb2847	KIAA1233 protein	AB033059.1	1
3412 SEOB0892a	KIAA1235	AB033061.1	1
3413 hfcr7762	KIAA1242	AB033068.1	1
3414 seoa4945a	KIAA1243 protein, partial cds /cds=UNKNOWN /gb=AB033069 /gi=6330811 /ug=Hs.151076 /len=6384	Hs.151076	1
3415 fcrb1161	KIAA1255 (ANKHZN)	AB033081	1

Figure 6A - Continued

3416	hfc6255	KIAA1274	AB033100.1	1
3417	ncrb2119	KIAA1279 protein	AB033105.1	1
3418	ncrc2868	KIAA1283	AB033109.1	1
3419	hfc7003	KIAA1294	AB037715.1	1
3420	hfc5254	KIAA1306	AB037727.1	1
3421	fcrb1229	KIAA1308	AB037729	1
3422	ncrc6556	KIAA1320	AB037741.1	1
3423	miob1371	KIAA1323	AB037744.1	1
3424	ncrc4344	KIAA1327	AB037748.1	1
3425	ncr7919	KIAA1328 protein	AB037749.1	1
3426	seob4822	KIAA1332	AB037753.1	1
3427	SEOA8696	KIAA1333	AB037754.1	1
3428	hfc0560	KIAA1335	AB037756.1	1
3429	ncr4436	KIAA1343	AB037764.1	1
3430	SEOA8923	KIAA1344	AB037765.1	1
3431	ncr2288	KIAA1352	AB037773.1	1
3432	fcrb1663	KIAA1353 protein (KIAA1353)	XM_035589.1	1
3433	hfc5114	KIAA1360	AB037781.1	1
3434	hfc8557	KIAA1365	AB037786.1	1
3435	ncrc3100	KIAA1367	AB037788.1	1
3436	MIOA8948	KIAA1373	AB037794.1	1
3437	hfc3756	KIAA1375 (PDCD6IP)	AB037796	1
3438	ncrb6656	KIAA1390 protein	AB037811.1	1
3439	hfc0624	KIAA1400 protein	AB037821.1	1
3440	seob4273	KIAA1403	AB037824	1
3441	hfc5865	KIAA1408 protein	AB037829.1	1
3442	ncr9373	KIAA1412 protein	AB037833.1	1
3443	ncr3961	KIAA1415 protein	AB037836.1	1
3444	fcrb1904	KIAA1417	AB037838.1	1
3445	hfc9821	KIAA1419 protein	AB037840.1	1
3446	ncr5746	KIAA1421 protein	AB037842.1	1
3447	seob8216	KIAA1430	AB037851.1	1
3448	SEOB1140	KIAA1432	AB037853.1	1
3449	ncrb4076	KIAA1434 protein	AB037855.1	1
3450	hfc6640	KIAA1435	AB037856.1	1
3451	hfc9729	KIAA1440 protein	AB037861.1	1
3452	mioa9709	KIAA1454 protein	AB040887.1	1
3453	hfc7706	KIAA1460	AB040893.1	1
3454	seob4263	KIAA1461 (ORF)	AB040894	1
3455	ncr4368	KIAA1462	AB040895.1	1
3456	hfc2960	KIAA1463	AB040896.1	1
3457	seob7180	KIAA1472	AB040905.1	1
3458	seob5761	KIAA1476 protein (=NM_013450.1 BAZ2B)	AB040909.1	1
3459	hfc6376	KIAA1478	AB040911.1	1
3460	fcrb1930	KIAA1483 protein (KIAA1483)	XM_045920.1	1
3461	hfc9586	KIAA1495 protein	AB040928.1	1
3462	hfc3404	KIAA1497	AB040930.1	1
3463	seob4383	KIAA1521	AB040954	1
3464	fcrb1439	KIAA1528 protein (KIAA1528)	XM_055933.1	1
3465	seob4147	KIAA1533 protein	AB040966.1	1
3466	ncr1941	KIAA1537	AB040970.1	1
3467	ncrb7394	KIAA1538 protein	AB040971.1	1
3468	ncrb3700	KIAA1558	AB046778	1
3469	ncrb7376	KIAA1562 protein	AB046782.1	1
3470	ncrc4164	KIAA1565 protein, partial cds	AB046785.1	1
3471	ncrb4440	KIAA1571	AB046791.1	1
3472	seoa7790a	KIAA1572 protein, partial cds /cds=UNKNOWN /gb=AB046792 /gi=10047208 /ug=Hs.5638 /len=5609	Hs.5638	1
3473	SEOB0652	KIAA1573	AB046793	1

## Figure 6A - Continued

3474 ncrb1456	KIAA1578 protein	AB046798.1	1
3475 ncr7737	KIAA1590, low match	AB046810	1
3476 ncrb6661	KIAA1597	AB046817.1	1
3477 ncr0187	KIAA1600 protein,	AB046820.1	1
3478 ncrb3624	KIAA1604 protein	AB046824	1
3479 ncr4069	KIAA1624 protein, partial cds	AB046844.1	1
3480 ncr6107	KIAA1641	AB046861.1	1
3481 ncr3957	KIAA1655	AK000711.1	1
3482 seoa4930a	KIAA1790 protein, partial cds /cds=UNKNOWN /gb=AB058693 /gi=14017796 /ug=Hs.57760 /len=5370	Hs.57760	1
3483 fcr3140	KIAA1863 protein (KIAA1863)	XM_036104.2	1
3484 fcrb2144	KIAA1870 protein (KIAA1870)	XM_027025.2	1
3485 SEOB1574	kiaa-iso protein	AAF17242.1	1
3486 hfcr5531	KIP gene	AB021866.1	1
3487 FCR2484	KNP-1a (=U53007 GT335)	D86061	1
3488 fcrb2396	Ksp37 protein (KSP37), mRNA	NM_031950.1	1
3489 MIOA2183a	Ku70-binding protein (low match)	AF078528	1
3490 MIOA6722a	Kunitz-type protease inhibitor (kop)	AF027205	1
3491 ncr05052	L1 repeat, Tf subfamily, member 18	NP_038602.1	1
3492 ncr06907	L1 repeat, Tf subfamily, member 26	NP_038604.1	1
3493 seoa7775a	latexin protein (LXN), mRNA /cds=(151,819) /gb=NM_020169 /gi=9910395 /ug=Hs.109276 /len=1049	Hs.109276	1
3494 SEOA4184a	LCN1b gene	Y10826	1
3495 ncr3968	LDC4 (=HSPC243)	AF247661.1	1
3496 miob1833	Leman coiled-coil protein (LCCP) (=AB023206.1 KIAA0989)	NM_016201.1	1
3497 FCR1633	LEYDIG CELL TUMOR 10 KD PROTEIN	spQ05310	1
3498 seob7346	ligase IV, DNA, ATP-dependent (LIG4)	NM_002312.1	1
3499 MIOA5599a	LIMULUS CLOTTING FACTOR C PRECURSOR (39%aa)	P28175	1
3500 FCR6044	lin-7-A	AF090133	1
3501 ncr1318	line-1 protein ORF1 - =M19503) ORF1; putative=(U93570) p40	A28096	1
3502 ncr8272	loss of heterozygosity, 11, chromosomal region 2, gene A (LOH11CR2A) (bcsc-1)	NM_014622.1	1
3503 miob3426	lost in inflammatory breast cancer tumor suppressor protein (LIBC)	AF143679.1	1
3504 seob3904	LPS-induced TNF-alpha factor (PIG7) mRNA	NM_004862.1	1
3505 hfcr9387	m6A methyltransferase (MT-A70) gene	AF014837.1	1
3506 ncrb0220	m6b1	AF016004.1	1
3507 SEOA4425a	maCRophage inflammatory protein-2alpha (MIP2alpha)	X53799	1
3508 fcrb2203	macrophage myristoylated alanine-rich C kinase substrate (MACMARCKS)	XM_034535.1	1
3509 seob6570	match to AA908753 (NID:g3048158)	AAC83082.1	1
3510 seob4039	Mcl-1 (MCL-1) and Mcl-1 delta S/TM (MCL-1) genes	AF198614.1	1
3511 ncrb6640	MDS024(MDS024)	AF182423.1	1
3512 SEOA4333	MEGF2	AB011536	1
3513 SEOA8906	MEGF5	AB011538.1	1
3514 fcrb0132	MEGF6	AB011539	1
3515 seob4451	melanogaster TEP2 protein [Drosophila melanogaster]	AJ269539	1
3516 fcrb2262	Melanoma associated gene (D2S448)	XM_056455.1	1
3517 SEOA1400	melanoma-associated antigen p97 (melanotransferrin)	K03200	1
3518 MIOA4057a	melastatin 1 (70% aa)	AF071787	1
3519 MIOA4987a	membrane protein type II, (low match) clone:HP10481	AB015633	1

## Figure 6A - Continued

3520 ncr9491	meningioma expressed antigen 6(coiled-coil proline-rich) (RefSeq aa 2e-33)	NP_005921.1	1
3521 SEOA4012a	meningioma-expressed antigen 11 (MEA11)	U73682	1
3522 SEOA5717a	meningioma-expressed antigen 6 (MEA6)	U94780	1
3523 MIOA1885a	merosin	M59832	1
3524 hfc3511	mesenchymal stem cell protein DSC54 (LOC51334)= AF242769.1	M_016644.1	1
3525 ncr1393	metastasis associated 1 (MTA1)	NM_004689.1	1
3526 FCR0571	miCRosatellite sequence INRA095	X71569	1
3527 MIOA3611a	miCRosatellite VNTR DNA	L07935	1
3528 FCR6018	MLN51	X80199	1
3529 FCR1984	MLN62	X80200	1
3530 SEOA9065	Mm-1 cell derived transplantability-associated 1b (hMmTRA1b)	NM_021105.1	1
3531 ncr9268	MpV17 transgene, murine homolog, glomerulosclerosis (MPV17)	NM_002437.1	1
3532 fcrb1477	mRNA similar to rat myomegalin	AB042557.1	1
3533 ncr4759	MSTP031	AAG39282.1	1
3534 fcrb1381	MSTP033 protein (MSTP033)	XM_029351.1	1
3535 SEOB1420	MUF1 protein (MUF1)	NM_006369.1	1
3536 ncr6878	mutS (E. coli) homolog 3 (RefSeq aa 1e-66)	NP_002430.1	1
3537 SOA0236	myelodysplasia/myeloid leukemia factor 1 (Mlf1)	AF100171	1
3538 fcrb1731	NDUFV3 gene for mitochondrial NADH-Ubiquinone oxidoreductase	AB038163.1	1
3539 hfc2555	neural polypyrimidine tract binding protein (PTB)	AF176085.1	1
3540 seoa7011	neuritin (LOC51299), mRNA /cds=(168,596) /gb=NM_016588 /gi=7706122 /ug=Hs.103291 /len=1589	Hs.103291	1
3541 fcrb0102	NF2 gene	Y18000.1	1
3542 SEOA1399	NG,NG-dimethylarginine dimethylaminohydrolase	AB001915	1
3543 ncrb1540	NIBAN	AB050477.1	1
3544 miob1224	NICE-3 protein (clone 3038j13)	AJ243665.1	1
3545 ncrb8253	nitrilase 1 (NIT1)	NM_005600.1	1
3546 ncrb7941	NJAC protein (NJAC)	AF144103.1	1
3547 MIOA8380	nm23-H7 (NME7)	AF153191.1	1
3548 SEOB1093	Nmi	U32849.1	1
3549 ncr0797	N-myc and STAT interactor (RefSeq aa 4e-56)	NM_016508.1	1
3550 fcrb0146	NORI-1 (ORF)	AB010427	1
3551 fcrb2223	novel protein (HSNOV1)	XM_017365.2	1
3552 MIOA0972	NPD001	AF078853.1	1
3553 FCR2139	N-ras	X02751	1
3554 miob5489	nuclear body associated kinase 2b (Nbak2) (=AB014530.1 KIAA0630)	AF170304.1	1
3555 ncr5608	nucleobindin 2 (RefSeq aa 9e-90)	NP_005004.1	1
3556 SEOA4264a	nucleolar protein (KKE/D repeat) (NOP56) =Y12065,nucleolar protein hNop56	NM_006392.	1
3557 fcrb2647	nucleolar protein ANKT(ANKT), mRNA	NM_016359.1	1
3558 seoa6814	nucleolar protein family A, member 3 (H/ACA small nucleolar RNPs) (NOLA3), mRNA /cds=(97,291) /gb=NM_018648 /gi=15011920 /ug=Hs.14317 /len=556	Hs.14317	1
3559 SEOA1720a	nucleotide-binding protein	U01833	1
3560 SEOB3518	NUMB	AF171941.1	1
3561 MIOA2165a	NY-REN-49 antigen	AF155111.1	1
3562 hfc9111	NY-REN-57 antigen	AF155114.1	1
3563 SEOA4440	NY-REN-6 antigen (ORF)	AF155096	1
3564 miob5954	OBP1a gene	AJ251029.1	1
3565 SEOA7902a	okadaic acid-inducible phosphoprotein (OA48-18)	AF069250	1
3566 BFCW0310	Opa-interacting protein OIP5	AF025441	1

## Figure 6A - Continued

3567 miob1734	OPN-b (low match: aa 8e-06)	BAA05950.1	1
3568 ncrb0364	ORF1, encodes a 40 kDa product	AAB60344.1	1
3569 ncr9019	ORF2 (aa 4e-15,65%)	BAA25253.1	1
3570 SEOA8213	ORF4	CAA37647.1	1
3571 ncrb3860	ORFII (X52235)(= LIN1_HUMAN LINE-1 REVERSE TRANSCRIPTASE HOMOLOG )	CAA36480.1	1
3572 miob3845	ORFYGR054w	CAA97056.1	1
3573 hfcr5875	OTF3 gene	Z11900.1	1
3574 hfcr1678	p150 (67% a.a.)	AAC51279.1	1
3575 ncr5568	P1-Cdc21 (=ALU8_HUMAN ALU SUBFAMILY SX SEQUENCE)	X74794.1	1
3576 ncr2131	P1cdc47 (=hMCM2) (=p85Mcm)	D55716.1	1
3577 miob0182	p21-activated protein kinase-like protein (non-exact match 34% a.a. identity)	AAF82310.1	1
3578 fcrb2523	P3ECSL (LIECG3), mRNA	NM_022164.1	1
3579 SEOA0728a	PA4=candidate oncogene	S82075	1
3580 ncrb5885	PAC 747L4 gene	AL035297.1	1
3581 hfcr6233	PAC P336P3 (12q24)	gi 2961441	1
3582 SEOA6895	PAI-1 gene, PAI-1-HindIII-2 allele	AF110527.1	1
3583 SEOA5156a	PAK2 mRNA,	AF092132	1
3584 ncr0284	PAN2 protein (PAN2)	NM_020905.1	1
3585 fcr3111	pancreas tumor-related protein (FKSG12)	AF311912.1	1
3586 mioa9843	parathyroid hormone-like protein(PLP) gene, exon 4, clones lambda-PLPg(1,3,7-2)	M24349.1	1
3587 ncr6563	partial AF-4 gene	AJ238093.1	1
3588 fcrb1682	partial LIMD1 gene for LIM domains	AJ312686.1	1
3589 ncrb2079	partial unknown mRNA from drug-resistant melanoma cells, 3'UTR, clone	AJ270695.1	1
3590 ncr9293	PCCX2 mRNA for protein containing CXXC domain 2, partial cds	AB031230.1	1
3591 ncr8827	PDCL2	AAD30564.2	1
3592 FCR6547	peanut-like protein 1, PNUTL1 (hCDCRel-1) (=AF006988 Y11593 septin (CDCRel-1))		1
3593 FCR4965	pendrin (PDS)	AF030880	1
3594 SEOA0799	PEP11 PROTEIN	spP38759	1
3595 FCR3599	PEP19 (PCP4) (=X93349;U53709)	U52969	1
3596 ncrb8191	PER1 gene (=Rigui (RIGUI))	AF102137.1	1
3597 FCR0187	pescadillo (PES1)	U78310	1
3598 BFCS0022	Pig3 (PIG3)	AF010309	1
3599 ncrb8666	pituitary tumor-transforming 1 interacting protein (PTTG1IP)	NM_004339.2	1
3600 FCR3072N	PiUS	U74297	1
3601 ncr4259	plasma glutamate carboxypeptidase (PGCP)	NM_006102.1	1
3602 ncr4448	platelet glycoprotein lib precursor	AAA60115.1	1
3603 fcrb0385	PMF16	AB006881	1
3604 miob4980	PMS1 PROTEIN HOMOLOG 1 (DNA MISMATCH REPAIR PROTEIN PMS1)	spP54277	1
3605 SEOA2934a	PM-Scl-75 autoantigen (PM-scl1) (=M58460)	U09215	1
3606 MIOA6234a	polymorphic HindIII site DNA (THRB region)	X58041	1
3607 seob7465	polypyrimidine tract binding protein (heterogeneous nuclear ribonucleoprotein I) (PTB)	NM_002819.1	1
3608 ncr0028	PP1201 mRNA,	AF193045.1	1
3609 ncr2404	PP2703	AF193051.1	1
3610 ncr9023	PR-domain containing protein 10 (PRDM10)	NM_020228.1	1
3611 SEOA2528	PREGNANCY ZONE PROTEIN PRECURSOR (low match)	spP20742	1
3612 MIOA8228	PRKG1 gene	Z92885	1
3613 ncr0838	PRO0066	AF113007.1	1
3614 ncr2035	PRO0214 protein (PRO0214)	NM_014120.1	1

## Figure 6A - Continued

3615 miob0673	PRO0245 protein (PRO0245)	NM_014122.1	1
3616 ncr0715	PRO0412 mRNA (=KIAA0213 gene )(= mitogen-activated protein kinase kinase 4 (MAP3K4), transcript variant 2)	AF116604.1	1
3617 seob5748	PRO0461 protein (PRO0461)	NM_014072.1	1
3618 SEOA9744	PRO0529 protein (PRO0529)= AF111848.1	NM_014074.1	1
3619 ncr5276	PRO0786 (=putative tumor suppressor ST13 (ST13))	AF116650.1	1
3620 ncr2484	PRO0989 (=CGI-54 protein)	AF116614.1	1
3621 ncr9919	PRO1155 (=RBBP6)	AF116625.1	1
3622 ncrb1167	PRO1489	AF116637.1	1
3623 ncr4583	PRO1546 (aa 1e-14,58%)	NP_061055.1	1
3624 miob0910	PRO1722	AAF69605.1	1
3625 ncr0151	PRO1843 mRNA,(= initiation factor 4B)	AF119854.1	1
3626 ncr5179	PRO1996 protein (PRO1996)	NM_014108.1	1
3627 ncr3257	PRO2047 protein (PRO2047) (=PRO2003)	NM_014110.1	1
3628 ncrb5438	PRO2061	AF118092.1	1
3629 hfc4055	PRO2134	AF118094.1	1
3630 hfc9558	PRO2207	AF116692.1	1
3631 seoa7722a	PRO2219 mRNA, complete cds /cds=(823,1056) /gb=AF116694 /gi=7959886 /ug=Hs.103657 /len=1083	Hs.103657	1
3632 ncrb5918	PRO2222	AF119868.1	1
3633 SEOA9409	PRO2239	AF116696	1
3634 ncr9044	PRO2309	AF119875.1	1
3635 hfc0345	PRO2646(=RPS4Y)	AF116711.1	1
3636 miob0700	selective LIM binding factor, rat homolog (SLB)	AAF69654.1	1
3637 ncr2831	PRO2832 (PRO2832)	NM_018541.1	1
3638 ncr5312	PRO2975 (PRO2975)	NM_018548.1	1
3639 ncr4555	PRO3091	AF119916.1	1
3640 miob5117	PRO3098	AF119917.1	1
3641 FCR4364	Pro-Pol-dUTPase polypeptide	Y12713	1
3642 FCR6936	prostaglandin synthase	D83402	1
3643 ncrb2611	prostaglandin-D synthase (RefSeq aa 3e-36)	NP_055300.1	1
3644 mioa9323	prostate carcinoma tumor antigen (pcta-1) (ORF)	L78132.1	1
3645 mioa9540	prostate specific and androgen regulated cDNA 14D7 = AL050198 hypothetical protein	AF163475	1
3646 fcr0237	prostatein c3 subunit	M71245	1
3647 FCR1393	protein	L76155	1
3648 seob6417	protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting, 4 (parvulin) (PIN4)	NM_006223.1	1
3649 SEOA7471a	protein B	AF146793.1	1
3650 ncr6708	protein inhibitor of activated STAT-1(RefSeq aa 2e-82)	NP_057250.1	1
3651 MIOA2998a	protein S-alpha (PROS1) (=Y00692)	M23599	1
3652 MIOA6488a	PSD-Zip45	AB017140	1
3653 ncr4132	PTB domain adaptor protein CED-6	AF200715.1	1
3654 MIOA0494	PTB-like protein	AJ010585.1	1
3655 ncr8811	PTD002 protein (PTD002) (=HSPC305)	NM_016144.1	1
3656 MIOA3439a	PTD012	AF092133.1	1
3657 ncr5335	PTD017 protein (PTD017)	NM_014046.1	1
3658 ncr2079	PTH-responsive osteosarcoma B1 protein (B1) mRNA, complete cds	AF095771.1	1
3659 SEOA5584a	PTPL1-associated RhoGAP	U90920	1
3660 ncr2496	PTS gene for 6-pyruvoyltetrahydropterin synthase	AB042297.1	1
3661 mioa6307a	putative (H. sapiens) (LOC134301)	XM_059705.1	1
3662 fcrb2591	PUTATIVE C10 PROTEIN (LOC113246) Length = 755	XM_053988.2	1
3663 ncr4076	Putative prostate cancer tumorsuppressor (RefSeq aa 5e- NP_006756.1 81)		1
3664 ncr5592	putative tumor suppressor ST13 (ST13) (=PRO0786)	U17714.1	1

Figure 6A - Continued

3665 nrcr9709	QM [nontumorigenic Wilms' microcell hybrid cells, Genomic, 2623 nt, segment 2 of 2](= housekeeping (Q1Z 7F5) gene exons 2 through 7, complete cds)	S64169.1	1
3666 nrcr0100	R3H domain (binds single-stranded nucleic acids) containing (RefSeq aa 7e-54)	NP_056970.1	1
3667 fcrb1457	RAB14, member RAS oncogene family (RAB14)	XM_005342.4	1
3668 fcrb2344	RAB6C, member RAS oncogene family (RAB6C), mRNA	XM_038274.1	1
3669 miob0036	Rap2 interacting protein; similar to U73941 (PID:g1916018)	AAC82532.1	1
3670 fcrb2087	rat activator of G-protein signaling 3 (AGS3) (likely ortholog)	XM_054763.2	1
3671 ncrb7932	rat myomegalin	NP_071754.1	1
3672 ncrb5296	RB-binding protein (rbbp2h1a gene)	AJ243706.1	1
3673 ncrb6676	RC1-ST0278-160200-014-f03 ST0278 cDNA	AW818395.1	1
3674 hfcr6143	RC3-BT0319-240200-015-e12 BT0319	BE066091.1	1
3675 SEOB3497	recepin (CBF1 interacting corepressor (CIR)	U03644.1	1
3676 FCR2338	Rer1 protein	AJ001421	1
3677 hfcr8412	RES4-22 gene with multiple splice variants near HD locus on 4p16.3	NM_003704.1	1
3678 ncrb0807	reticulon 4c (=reticulon 4b)(= reticulon 4a)	AF087901.1	1
3679 ncrb0185	retinal short-chain dehydrogenase/reductase retSDR2 (LOC51170), mRNA	NM_016245.1	1
3680 fCR0841	retina-specific 15.7 kDa protein	M34915	1
3681 MIOA5531a	retinol-binding protein (RBP)	M10934	1
3682 MIOA6585a	RETINOL-BINDING PROTEIN II, CELLULAR (CRBP-II)	P50121	1
3683 ncrb8721	REV3 (yeast homolog)-like, catalytic subunit of DNA polymerase zeta (RefSeq aa 2e-39)	NP_002903.1	1
3684 hfcr1733	RGP3	U27655.1	1
3685 seoa4926a	RP42 homolog (RP42), mRNA /cds=(29,808) /gb=NM_020640 /gi=10190677 /ug=Hs.104613 /len=3552	Hs.104613	1
3686 miob6451	rpmJ, prlA, rplO, rpmD, rpsE, rplR, rplF, rpsH, rpsN, rplE, rplX, rplN, rpsQ, rpmC, rplP, rpsC, rplV, rpsS, rplB, rplW, rplD, rplC, rpsJ genes from bases 3440111 to 3451054 (section 298 of 400) of th...	AE000408	1
3687 seob4136	rrlC, rrfC, aspT, trpT, yifA, pssR, yifE, yifB, ilvL, ilvG_1, ilvG_2, ilvM, ilvE, ilvD, ilvA, ilvY genes from bases 3941264 to 3955588 (section 343 of 400) of the complete genome	AE000453	1
3688 ncrb5432	SCL gene locus	AJ131016.1	1
3689 ncrb4001	seladin-1 (=KIAA0018)	AF261758.1	1
3690 fcrb1724	selective LIM binding factor, rat homolog (SLB)	XM_033196.1	1
3691 fcrb0693	serologically defined colon cancer antigen 10 (NY-CO-10)	NM_005869.1	1
3692 hfcr0622	SH3GLP1 pseudogene, 5'	X99658.1	1
3693 hfcr0525	Si-1-8-16 mRNA, partial cds	AB044752.1	1
3694 FCR3121	SIK similar protein	AF053232	1
3695 ncrb8035	single-minded (Drosophila) homolog 2 (SIM2), transcript variant SIM2	NM_005069.2	1
3696 hfcr0750	Sjogren's syndrome/scleroderma autoantigen 1 (SSSCA1) (=AB001740 p27)	NM_006396.1	1
3697 FCR6792	Slit-2 protein	AB017168	1
3698 ncrb5508	Sm protein F (RefSeq aa 2e-41)	NP_009011.1	1
3699 FCR6529	small cytoplasmic Y RNA (Y4) (=X57566 hy4 Ro RNA (associated with erythrocyte Ro RNP's))	L32608	1
3700 ncrb6345	small EDRK-rich factor 1, short isoform (SERF1)	AF073518.1	1
3701 ncrb3840	small fragment nuclease (DKFZP566E144)	NM_015523.1	1



## Figure 6A - Continued

3702 fcrb1894	SMART/HDAC1 associated repressor protein (SHARP)	XM_057104.1	1
3703 MIOA6731a	SOCS box-containing WD protein SWiP-1 (SWIP1) (=AF106683 WSB-1)	AF072880.1	1
3704 ncr5243	spastic ataxia of Charlevoix-Saguenay (sacsin) (RefSeq aa 2e-91)	NP_055178.1	1
3705 ncr5327	speckle-type POZ protein (SPOP)	NM_003563.1	1
3706 ncrb0303	spm1 protein	Y15794.1	1
3707 ncr6821	SRY (sex determining region Y)-box 13 (SOX13)(= type 1 diabetes autoantigen ICA12)	NM_005686.1	1
3708 ncrb1420	SRY (sex determining regionY)-box 22 (SOX22)	NM_006943.1	1
3709 miob467	SRY-box containing gene 5 (Sox5)	NM_011444.1	1
3710 MIOA1921a	SS-A/Ro ribonucleoprotein autoantigen 60 kd subunit	M25077	1
3711 SEOA3852	SSR alpha subunit	Z12830	1
3712 hfcr9240	SSX4 protein gene	AF196972.1	1
3713 FCR5574	stat-like protein (Fe65)	L77864	1
3714 FCR6841	STS(STS SHGC-35393)	G28601	1
3715 SEOA8651	sudD (suppressor of bimD6, Aspergillus nidulans) homolog (SUDD) (Alu repeat)	gi4507298	1
3716 FCR3286	suppressor of cytokine signalling-1 (SOCS-1) (=AB000734 TIP3)	U88326	1
3717 ncr5113	Syne-1B	AAG24393.1	1
3718 mioa9648	synuclein, alpha (non A4 component of amyloid precursor) (SNCA), transcript variant NACP112,(ORF)	NM_007308.1	1
3719 ncr8584	Tandem PH Domain Containing Protein-1 (TAPP1)	NM_021622.1	1
3720 hfcr4087	Tax interaction protein 2	AF028824.1	1
3721 miob4613	TB1	M74089.1	1
3722 mioa9581	TCP1 (t-complex-1) ring complex, polypeptide 5 (TRIC5)(ORF) = X74801.1	NM_005998.1	1
3723 SEOA8401a	tctex-1	E13405	1
3724 seob5658	TESS 2 protein (TESS 2 gene) (=DKFZp586B2022)	AJ250865.1	1
3725 ncr6072	testis specific ankyrin-like protein 1 (LOC51281)	NM_016552.1	1
3726 FCR2798	tex292	X80433	1
3727 hfcr8816	TFII-I protein(TFII-I) mRNA, (=general transcription factor 2-I (GTF2I)	AF015553.1	1
3728 FCR1092	tip associating protein (TAP)	U80073	1
3729 seoa7736a	TPA regulated locus; uncharacterized hypothalamus protein HTMP (H. sapiens) (LOC132748), mRNA	XM_054971.2	1
3730 MIOA7372a	TPRD	D83077	1
3731 hfcr0171	transitional epithelia response protein (TERE1)	NM_013319.1	1
3732 fcrb1397	translocating chain-associating membrane protein (TRAM)	XM_005185.3	1
3733 hfcr8857	Treacher Collins-Franceschetti syndrome 1 (TCOF1) mRNA	NM_000356.1	1
3734 ncr3718	TSA305	AB024763.1	1
3735 SEOA4366a	TSC2 mRNA for tuberin	X75621	1
3736 fcr0969	TYL gene	X99688	1
3737 seoa7056	unknown mRNA /cds=(1758,2294) /gb=AF321617 /gi=11596417 /ug=Hs.33032 /len=3109	Hs.33032	1
3738 ncr1153	unknown protein 3'UTR	Y09836.1	1
3739 fcrb2422	unknown protein LOC51035 (H. sapiens) (LOC120685), mRNA	XM_058485.1	1
3740 mioa0739m	unnamed protein product	AK001715	1
3741 ncr5949	unnamed protein product	BAA91748.1	1
3742 ncr8937	unnamed protein product	BAA91974.1	1
3743 ncr1402	unnamed protein product	BAB14098.1	1
3744 ncr4015	unnamed protein product	BAB14662.1	1
3745 ncr2531	unnamed protein product	BAB14687.1	1
3746 ncrb8526	unnamed protein product	BAB14809.1	1

## Figure 6A - Continued

3747 nrcr3171	unnamed protein product	BAB15239.1	1
3748 nrcr3503	unnamed protein product	BAB15362.1	1
3749 nrcr3080	unnamed protein product	BAB15407.1	1
3750 nrcr9052	unnamed protein product	BAB15427.1	1
3751 nrcr9368	unnamed protein product	BAB15579.1	1
3752 nrcr1889	unnamed protein product (=HSPC314)	BAB14755.1	1
3753 ncrb8790	unnamed protein product (aa 1e-15)	BAB15433.1	1
3754 fcrb2199	UPF3 (UPF3)	AF318575.1	1
3755 ncrb5244	up-regulated by BCG-CWS (=KIAA0062,=KIAA1265)	NP_071437.1	1
3756 nrcr2451	vault-associated RNA 1, complete sequence	AF045143.1	1
3757 nrcr7065	vav 3 oncogene (VAV3)	NM_006113.2	1
3758 nrcr9729	v-maf musculoaponeurotic fibrosarcoma(avian) oncogene homolog (RefSeq aa 4e-33)	NP_005351.2	1
3759 SEOA9421	v-raf-1 murine leukemia viral oncogene homolog 1 (RAF1),= X03484.1	NM_002880.1	1
3760 MIOA8644	WAS protein family, member 1 (WASF1) (=KIAA0269)	NM_003931.1	1
3761 ncrb2848	WD-repeat protein (HAN11)	NM_005828.1	1
3762 fcrb1420	Williams-Beuren syndrome chromosome region 1 (WBSCR1)	XM_051839.2	1
3763 seoa6846	Wilms' tumour 1-associating protein (KIAA0105), mRNA /cds=(124,579) /gb=NM_004906 /gi=4758635 /ug=Hs.119 /len=1622	Hs.119	1
3764 seoa6818	Wiskott-Aldrich syndrome protein interacting protein (WASPIP), mRNA /cds=(108,1619) /gb=NM_003387 /gi=8400739 /ug=Hs.24143 /len=1985	Hs.24143	1
3765 FCR6578	XE7	L03426	1
3766 ncr4202	Xp22 bins 16-17 BAC GSHB-531117 (Genome Systems Human BAC Library) complete sequence	AC004805.1	1
3767 hfcr9956	Xq pseudoautosomal region; segment 1/2	AJ271735.1	1
3768 SEOA4600a	xs31	Z36832	1
3769 nrcr0455	yeast Sec31p homolog (RefSeq aa 5e-76)	NP_057295.1	1
3770 SEOA1875a	YGR163, yeast homologue	AB017616	1
3771 ncr1374	adrenodoxin gene, exon 4	M23668.1	1
3772 ncr0159	annexin V-binding protein (ABP-10),(ORF)	D64062	1
3773 MIOA8828	ATPase subunit 6	BAA07295.1	1
3774 seob5326	ATPase, Ca sequestering (ATP2C1) (=KIAA1347)	NM_014382.1	1
3775 fcrb1607	ATPase, Class I, type 8B member 2 (ATP8B2)	XM_036933.2	1
3776 hfcr0829	ATPase, H transporting, lysosomal (vacuolar proton pump) 21kD (ATP6F)	NM_004047.1	1
3777 seob6087	ATPase, H transporting, lysosomal (vacuolar proton pump) non-catalytic accessory protein 1A (110/116kD) (ATP6N1A)	NM_005177.1	1
3778 ncr5109	ATPase, H transporting, lysosomal (vacuolar proton pump), beta polypeptide,56/58kD, isoform 2 (ATP6B2)( vacuolar H -ATPase Mr 56,000 subunit (HO57))( =isoform 2 of vacuolar H ATPase Mr 56,000 subunit)	NM_001693.1	1
3779 ncr5336	ATPase, H transporting, lysosomal (vacuolar proton pump), member J (ATP6J)	NM_004888.1	1
3780 hfcr0366	ATPase, Na /K transporting, alpha 2 ( ) polypeptide (ATP1A2)	NM_000702.1	1
3781 nrcr9279	ATPase, Na /K transporting, beta 1 polypeptide (RefSeq aa 7e-66)	NP_001668.1	1
3782 hfcr2323	ATP-binding cassette 7 iron transporter (ABC7)	AF133659.1	1
3783 MIOA1276m	Ca2 -transporting ATPase, (ORF)	AJ010953	1
3784 FCR7128	calsequestrin, cardiac	D55655	1
3785 FCR0257	copper chaperone for superoxide dismutase (CCS)	AF002210	1

Figure 6A - Continued

3786 FCR4166	F1-ATPase beta subunit (F-1 beta) (=X05606;M27132)	X03559	1
3787 fCR1004	F1-F0-ATPase	M64751	1
3788 fCR1016	F1Fo-ATP synthase complex Fo membrane domain F subunit	S70447	1
3789 MIOA1621a	monocarboxylate transporter 1 (SLC16A1)	L31801	1
3790 FCR3715	non-erythroid band 3-like protein (HKB3) (=U26531 anion exchanger AE2;X62137 anion exchanger protein)	X03918	1
3791 MIOA0572n	nonerythroid beta-spectrin	L02897	1
3792 hfcr8509	NRAMP2 gene for natural resistance-associated macrophage protein 2	AB015355.1	1
3793 ncr6623	S100 calcium-binding protein A11 (calgizzarin) (S100A11)	NM_005620.1	1
3794 fcrb2291	S100 calcium-binding protein A6 (calcyclin) (S100A6), mRNA	XM_058243.1	1
3795 ncrb1216	sodium bicarbonate cotransporter 2b (NBC2B)(= sodium bicarbonate cotransporter 3 (SLC4A7))	AF089726.1	1
3796 SEOA2620	sodium bicarbonate cotransporter 3 (SLC4A7)	AF047033.1	1
3797 ncr2256	solute carrier family 26	NM_000112.1	1
3798 ncr5930	solute carrier family 5(sodium-dependent vitamin transporter), member 6(SLC5A6)	NM_021095.1	1
3799 MIOA1353a	solute carrier family 7 (cationic amino acid transporter, y system), member 6 (SLC7A6) (=D87432.1 KIAA0245)	gi4507052	1
3800 seob7125	vacuolar H ( )-ATPase subunit=13.7 kda F-ATPases subunit b homologue	S82464.1	1
3801 ncr1428	vacuolar H -ATPase Mr 56,000 subunit (HO57)	L35249.1	1
3802 MIOA8034a	vacuolar H ATPase Mr 70000 subunit	X61612	1
3803 FCR0748	vacuolar proton ATPase membrane sector associated protein M8-9	Y17975	1
3804 SEOA7543a	vacuolar sorting protein 35	AF191298	1
3805 FCR3915	white gene protein (=AF038175)	X91249	1
3806 FCR4226	Glycosyl transferase, similar to (=AF031835 ppGaNTase)	AL033514	1
3807 SEOA1980a	1,4-alpha-glucan branching enzyme (HGBE)	L07956	1
3808 hfcr4466	3-phosphoinositide dependent protein kinase-1 (PDPK1)	NM_002613.1	1
3809 ncrb6462	aldehyde dehydrogenase 1	K03000.1	1
3810 FCR4900	aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase) (AKR7A2) (=Y16675)	AF026947	1
3811 SEOA6123a	aldose reductase (EC 1.1.1.2)	X15414	1
3812 ncrb0913	alpha-1,3(6)-mannosyl glycoprotein beta-1 (RefSeq aa 1e 79)	NP_002401.1	1
3813 ncr61495	alpha-aminoadipic semialdehyde dehydrogenase-phosphopantetheinyl transferase	AF302110.1	1
3814 hfcr6753	Alu co-repressor 1 (ACR1)(=AOEB166)	AF231705.1	1
3815 hfcr6085	amylase-1,6-glucosidase,4-alpha-glucanotransferase (glycogen debranching enzyme, glycogen storage disease type III) (AGL), splice variant 6, mRNA	NM_000646.1	1
3816 hfcr5499	beta-1,3-glucuronyltransferase 3 (glucuronosyltransferase I) (B3GAT3)	NM_012200.1	1
3817 ncr9549	beta-1,3-N-acetyl glucosaminyl transferase (BETA3GNTI)	NM_006876.1	1
3818 ncr62568	beta-globin (HBB) gene haplotype C17, replication origin initiation region and partial cds	AF186616.1	1
3819 ncr0251	carbohydrate (keratan sulfate Gal-6) sulfotransferase 1 (CHST1), mRNA	NM_003654.1	1

## Figure 6A - Continued

3820 ncrb5197	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 6 (CHST6) (=CLP)	NM_021615.1	1
3821 MIOA1513	co-beta glucosidase (proactivator)	J03077	1
3822 SEOB1844	dTDP-4-keto-6-deoxy-D-glucose 4-reductase (tgr gene) (=AF182814 methionine adenosyltransferase regulatory beta subunit)	AJ243721.1	1
3823 fcrb2043	extracellular glycoprotein EMILIN-2 precursor (LOC90187)	XM_029741.1	1
3824 FCR2299	galactokinase (galK)	U26401	1
3825 FCR0894	galactose-1-phosphate uridyl transferase (GALT)	M96264	1
3826 hfcr7968	GALT3 protein mRNA, complete cds	AF154848.1	1
3827 ncrb4154	glucosamine-6-phosphate	AJ002231.1	1
3828 ncrb7340	glucosyltransferase	AJ224875.1	1
3829 FCR6054	glycogen debranching enzyme isoform 2 (AGL)	U84008	1
3830 ncrb3799	glycogen synthase 1 (muscle) (GYS1)	NM_002103.1	1
3831 seob4492	glycogenin= glycogenin-1	X79537.1	1
3832 FCR4878	glycogenin-2 delta (glycogenin-2) (=U94359;U94363)	U94360	1
3833 SEOA4809a	hexokinase II pseudogene	U28387	1
3834 ncr7768	hippocampus abundant gene transcript 1 (Hiat1)	NM_008246.1	1
3835 FCR3946	liver-type 1-phosphofructokinase (PFKL) (=X16930)	X15573	1
3836 miob4869	LNR42 (=AJ012409.1 Human hypothetical protein (clone YR-29))	AF238866	1
3837 fcrb0151	lysosomal alpha-mannosidase (MANB)	U05572.1	1
3838 seob8338	lysozyme	M19045.1	1
3839 hfcr6099	mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase (MGAT1) gene	NM_002406.2	1
3840 ncr1421	mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase (MGAT2)	NM_002408.2	1
3841 SEOB1340	mannosyl-oligosaccharide alpha-1,2-mannosidase	U04301.1	1
3842 BFCW0216	N-acetyl-alpha-glucosaminidase (HEXA), alpha-polypeptide	M13520	1
3843 MIOA0533	N-acetylgalactosamine 6-sulfate sulfatase (GALNS)	D17629	1
3844 miob6858	N-acetylglucosamine-phosphate mutase; DKFZP434B187	NM_015599.1	1
3845 hfcr9613	N-acetylglucosaminyl transferase component Gpi1 (GPI1) mRNA	NM_004204.1	1
3846 ncrb5688	O-linked N-acetylglucosamine(GlcNAc) transferase(UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase) (OGT)	NM_003605.2	1
3847 MIOA5779a	Phosphoglucomutase and phosphomannomutase phosphoserine homologues (68% aa)	AL021481	1
3848 BFCW0352	phosphoglycerate mutase 2 (muscle specific isozyme) (PGAM2)	M55673	1
3849 fcrb0212	phosphoinositide-3-kinase, catalytic, alpha polypeptide (PIK3CA)	NM_006218.1	1
3850 SEOB0672a	phosphomannomutase 2 (PMM2) gene (5e-10 match)	AF157794.1	1
3851 mioa9491	phosphoprotein enriched in astrocytes 15 (PEA15) mRNA	NM_003768.1	1
3852 SEOA5662a	platelet activating factor acetylhydrolase, brain isoform, 45 kDa subunit (LIS1)	U72342	1
3853 SEOA9883	pyruvate dehydrogenase (lipoamide) beta (PDHB)	NM_000925.1	1
3854 hfcr6400	pyruvate kinase, muscle (PKM2)(=TCB)	NM_002654.1	1
3855 BFCS0345	siah binding protein 1 (SiahBP1)	U51586	1
3856 SEOB0918	sialidase 1 (lysosomal sialidase) (NEU1)	gi4557790	1
3857 fcrb2556	sialyltransferase 4C (beta-galactosidase alpha-2,3-sialyltransferase) (SIAT4C), mRNA	NM_006278.1	1
3858 FCR4682	sialyltransferase SThM (sthm)	U14550	1
3859 SEOB2958	sorbitol dehydrogenase (SORD)	U67243.1	1
3860 MIOA1424	suCRase-isomaltase (SI)	M84646	1

## Figure 6A - Continued

3861 ncr0083	UDP-galactose transporter related	AB041549.1	1
3862 SEOA0420	UDP-galactose transporter related isozyme 1	D87989.1	1
3863 ncr4975	UDP-glucose:glycoprotein glucosyltransferase 2 (FLJ10873)	NM_020121.1	1
3864 ncr6147	aldolase A, fructose-bisphosphate (ALDOA)	NM_000034.1	1
3865 miob6364	acid phosphatase 1, soluble (ACP1), transcript variant a	NM_004300.1	1
3866 MIOA8971	acyl-Coenzyme A oxidase 3, pristanoyl (ACOX3)	NM_003501.1	1
3867 FCR7059	bleomycin hydrolase	X92106	1
3868 hfc8427	casein kinase 1, epsilon (CSNK1E)	NM_001894.1	1
3869 fcrb1494	casein kinase 2, alpha 1 polypeptide (CSNK2A1)	XM_049424.2	1
3870 fcrb1496	casein kinase 2, beta polypeptide (CSNK2B)	NM_001320.1	1
3871 FCR1462	casein kinase I gamma 2 (=AF001177)	U89896	1
3872 ncr8997	cysteine knot superfamily 1, BMP antagonist 1 (CKTSF1B1)	NM_013372.1	1
3873 bfcw0579	dual adaptor of phosphotyrosine and 3-phosphoinositides (DAPP1)	XM_052416.1	1
3874 SEOA1923	GAP SH3 binding protein (Ras-GTPase-activating protein SH3-domain-binding protein (G3BP))	U32519	1
3875 MIOA0890a	GAP-associated protein (p190)	M94721	1
3876 seob5668	GAP-like protein (LOC51306)	NM_016603.1	1
3877 FCR7327	kappa-casein	U51899	1
3878 ncr0107	kinase substrate HASPP28	U26541.1	1
3879 FCR4927	lysosomal acid phosphatase (=X12548)	X15535	1
3880 FCR2908	PALM (=D87460 (KIAA0270))	Y16277	1
3881 FCR3043	palmitoylated erythrocyte membrane protein (MPP1)	M64925	1
3882 ncr3979	PHKB gene (exon 25)	X84930.1	1
3883 seob7189	protein phosphatase (KAP1)	L27711.1	1
3884 MIOA0790	protein phosphatase 1 (PPP1R5)	Y18207	1
3885 hfc3739	protein phosphatase 1 regulatory subunit 7 (PPP1R7)	NM_002712.1	1
3886 fcrb0894	protein phosphatase 1, catalytic subunit, alpha isoform (PPP1CA)	NM_002708.1	1
3887 mioa7740a	protein phosphatase 1, catalytic subunit, gamma isoform (PPP1CC), mRNA /cds=(154,1125) /gb=Nm_002710 /gi=4506006 /ug=Hs.79081 /len=2263	Hs.79081	1
3888 ncr1975	protein phosphatase 1, regulatory (inhibitor) subunit 5 (PPP1R5)	NM_005398.1	1
3889 SEOA5528a	protein phosphatase 1, regulatory subunit 10 (PPP1R10) (=Y13247 fb19)	gi4506008	1
3890 ncr9620	protein phosphatase 1, regulatory(inhibitor) subunit 5 (RefSeq aa 5e-40)	NP_005389.1	1
3891 ncr7085	protein phosphatase 1, regulatory subunit 7 (RefSeq aa 5e-77)	NP_002703.1	1
3892 fcrb1901	protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform (PPM1G)	XM_033185.1	1
3893 fcrb1963	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform (PPP2R1B)	XM_041325.1	1
3894 ncr1624	protein phosphatase 2, regulatory subunit B (B56), alpha isoform (PPP2R5A)	NM_006243.1	1
3895 SEOA0383	protein phosphatase 2A B'alpha1 regulatory subunit (=D26445 KIAA0044)	U37352	1
3896 FCR0429	protein phosphatase 2A regulatory subunit alpha-isotype (alpha-PR65) (=M31786 tumor antigen-associated 61kd protein)	J02902	1
3897 SEOA9046	protein phosphatase 2C beta	AJ005458.1	1
3898 SEOA0038	protein phosphatase 5 (=U25174)	X89416	1
3899 FCR6181	protein phosphatase-1 catalytic subunit	M63960	1

## Figure 6A - Continued

3900 fcrb1466	protein tyrosine phosphatase receptor type K (PTPRK)	NM_002844.1	1
3901 SEOA4670a	protein tyrosine phosphatase(TEP1) (ORF)	U96180	1
3902 fcrb1201	protein tyrosine phosphatase, receptor type, alpha polypeptide (PTPRA)	NM_002836.1	1
3903 ncr4869	protein tyrosine phosphatase, receptor type, epsilon polypeptide (RefSeq aa 2e-43)	NP_006495.1	1
3904 ncr8232	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 2 (RefSeq aa 5e-75)	NP_003616.1	1
3905 hfc8983	protein tyrosine phosphatase, receptor type, M (PTPRM)	NM_002845.1	1
3906 miob4561	protein-tyrosine kinase, trkB	X75958.1	1
3907 SEOA5787	3-hydroxy-3-methylglutaryl-coenzyme A (HMG-CoA) reductase	M62633	1
3908 miob4104	3'-phosphoadenosine 5'-phosphosulfate synthetase (PAPSS)	AF105227.1	1
3909 ncr1101	3'-phosphoadenosine 5-prime-phosphosulfate synthase 1	NP_005434.1	1
3910 hfc9681	5'(3')-deoxyribonucleotidase; RB-associated KRAB repressor (DNT), mRNA	NM_014595.1	1
3911 ncrb4000	5'-3' exoribonuclease 1	NP_036046.1	1
3912 ncr0867	5'-3'exonuclease	X91617.1	1
3913 ncr4648	5'-nucleotidase (purine)	NM_012229.1	1
3914 hfc3453	6-O-methylguanine-DNA methyltransferase (MGMT)	M29971.1	1
3915 ncrb6085	adenosine deaminase tRNA-specific 1 (ADAT1)	NM_012091.2	1
3916 SEOB1133	adenosine monophosphate deaminase (isoform E) (AMPD3)	NM_000480.1	1
3917 miob3161	adenosine triphosphatase	M95541.1	1
3918 hfc1646	deoxyhypusine synthase	L39068.1	1
3919 ncr2730	deoxyribonuclease I-like 3 (DNASE1L3)	NM_004944.1	1
3920 MIOA1300n	dinucleotide miCRosatellite HUJII77	M96348	1
3921 ncr3034	exoribonuclease 1 (Xrn1)	NM_011916.1	1
3922 ncr0495	G/T MISMATCH-SPECIFIC THYMINE DNA GLYCOSYLASE	Q13569	1
3923 fcrb2196	guanylate kinase 1 (GUK1)	XM_056887.1	1
3924 seob4076	inorganic pyrophosphatase	AF119665.1	1
3925 hfc9835	nucleoside diphosphate kinase homolog (DR-nm23) gene, complete sequence	U80813.1	1
3926 hfc3070	nudix (nucleoside diphosphate linked moiety X)-type motif 3 (NUDT3), mRNA	NM_006703.1	1
3927 ncrb2339	nudix (nucleoside diphosphate linked moiety X)-type motif 6 (NUDT6)= AF019633 antisense basic fibroblast growth factor B alternatively spliced mRNA,	NM_007083.1	1
3928 hfc5872	phosphodiesterase 10A (PDE10A)	NM_006661.1	1
3929 seob4363	phosphodiesterase 1A, calmodulin-dependent (PDE1A)	NM_005019.1	1
3930 hfc3467	phosphodiesterase 2A cGMP-stimulated (PDE2A)	NM_002599.1	1
3931 ncrb0897	phosphodiesterase 4B, cAMP-specific(dunce (Drosophila)-homolog phosphodiesterase E4) (RefSeq aa 3e-43)	NP_002591.1	1
3932 hfc9924	phosphodiesterase I/nucleotide pyrophosphatase 2 (autotaxin) (PDNP2) (=autotaxin-t (atx-t) gene)	NM_006209.1	1
3933 MIOA1304	RhoGAP, rat homologue (chromosome 13)	gi4902677	1
3934 BFCW0467	ribonuclease A (RNase A)	D26129	1
3935 hfc2894	ribonuclease HI, large subunit (RNASEHI)	NM_006397.1	1
3936 ncr1592	ribonuclease P (30kD) (RefSeq aa 2e-78)	NP_006404.1	1
3937 FCR5712	RIBONUCLEASE PH-LIKE PROTEIN B0564.1	spQ17533	1

## Figure 6A - Continued

3938 FCR5412	rod cGMP-phosphodiesterase gamma-subunit (PDEG)	U00482	1
3939 ncr0612	RY-1 putative nucleic acid binding protein	X76302.1	1
3940 FCR5822	single strand DNA-binding protein	AF077048.1	1
3941 FCR4503	thymidine kinase 1, soluble (TK1)	K02581	1
3942 ncr6778	thymine-DNA glycosylase (TDG)	NM_003211.1	1
3943 FCR5339	L apoferritin	X03742	1
3944 BFCS0286	long-chain-fatty-acid-CoA ligase, homologue (SW:P29212)	Z81071	1
3945 FCR5895	3-hydroxyisobutyryl-coenzyme A hydrolase	U66669	1
3946 FCR0535	43 kDa inositol polyphosphate 5-phosphatase	Z31695	1
3947 SEOB0007	7-dehydrocholesterol reductase (DHCR7)	AF067127.1	1
3948 BFCW0160	abc1	X75926	1
3949 FCR0872	acetyl-CoA carboxylase	X68968	1
3950 SEOB3564	acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase) (ACAA2), nuclear gene encoding mitochondrial protein	NM_006111.1	1
3951 SOA0105	acylphosphatase 2, muscle type (ACYP2)	X84195	1
3952 MIOA1785	alcohol dehydrogenase beta-1-subunit (ADH1-2 allele)	X03350	1
3953 FCR4763	alpha-methylacyl-CoA racemase	AF047020	1
3954 FCR6329	aquaporin adipose	AB006190	1
3955 FCR1997	carnitine carrier	Y10319	1
3956 ncr2966	carnitine octanoyltransferase	AF073770.1	1
3957 MIOA3335a	carnitine palmitoyltransferase II, precursor (CPT1)	U09646	1
3958 ncrb5192	CDP-diacylglycerol synthase(phosphatidate cytidyltransferase) 1 (RefSeq aa 4e-40)	NP_001254.1	1
3959 FCR6635	choline kinase isolog 384D8_3	U62317	1
3960 ncrb1515	choline phosphotransferase 1 beta (=cholinephosphotransferase 1 alpha)(= AAPT1-like protein)	AF195624.1	1
3961 SEOB2797	CTL1 protein (70% aa)	AJ245620	1
3962 hfc3067	CTL2 gene	AJ245621.1	1
3963 hfc1639	delta-6 fatty acid desaturase (FADS6)	NM_004265.1	1
3964 ncr7180	dihydrolipoamide acetyltransferase (PDC-E2) (EC 2.3.1.12)	Y00978.1	1
3965 ncrb8703	dihydrolipoamide branched chain transacylase (E2 component of branched chain keto acid dehydrogenase complex; maple syrup urine disease)	XP_001705.1	1
3966 ncr5065	Drosophila fat facets related, X-linked (RefSeq aa 5e-56)	NP_004643.1	1
3967 SEOA8556	fat facets protein	AJ012078	1
3968 ncr1367	fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor) (FABP3)	NM_004102.2	1
3969 hfc5971	fatty acid binding protein 7, brain (FABP7) mRNA	NM_001446.1	1
3970 SEOA0792	fatty acid desaturase MLD, putative (contains Alu repeat)	AF002668	1
3971 ncrb5608	fatty-acid-Coenzyme A ligase, long-chain 3 (RefSeq aa 4e-31)	NP_004448.1	1
3972 SEOB0370	fumarylacetoacetate hydrolase	M55150.1	1
3973 ncr0174	geranylgeranyl diphosphate synthase 1(RefSeq aa 1e-34)	NP_004828.1	1
3974 ncr1631	hydroxysteroid (17-beta) dehydrogenase 7 (RefSeq aa 4e-86)	NP_057455.1	1
3975 FCR1756	L-3-hydroxyacyl-CoA dehydrogenase (=AF001902)	X96752	1
3976 SEOA7920a	lanosterol 14-alpha demethylase cytochrome P450 (CYP51)	U51692.1	1
3977 ncr2670	lipoyltransferase, complete cds	AB017567.1	1

## Figure 6A - Continued

3978 ncrb4474	methyImalonate-semialdehyde dehydrogenase (MMSDH)	NM_005589.1	1
3979 BFCW0268	mitochondrial short-chain enoyl-CoA hydratase	D13900	1
3980 hfcr6515	muscle fatty-acid-binding protein (FABP)	X56549.1	1
3981 ncrb2256	neuronal PAS domain protein 3 (Npas3)	NM_013780.1	1
3982 ncr4604	oxysterol binding protein (RefSeq aa 1e-87)	NP_002547.1	1
3983 fCR0918	p55PIK phosphatidylinositol 3-kinase regulatory subunit	S79169	1
3984 MIOB1573	perilipin	AB005293.1	1
3985 seob4213	phosphatidylcholine 2-acylhydrolase (cPLA2)	M68874.1	1
3986 ncrb7200	phosphatidylinositol 3-kinase, class 3 (RefSeq aa 2e-88)	NP_002638.1	1
3987 ncr4793	Phosphatidylinositol transfer protein (PI-TPalpha)	D30036.1	1
3988 MIOA4278	phospholipase C, epsilon (PLCE)=D42108	NM_006226.1	1
3989 seob5363	Phospholipase C-delta1 (Plcd1)	NM_017035.1	1
3990 ncr7341	phospholipase D1, phophatidylcholine-specific (PLD1)	NM_002662.1	1
3991 seoa6788	pleckstrin homology domain-containing, family A (phosphoinositide binding specific) member 1 (PLEKHA1), mRNA	XM_011878.3	1
3992 MIOA2273a	prostaglandin endoperoxide H synthase-1	AF129755.1	1
3993 MIOA2691a	prostaglandin endoperoxide synthase-2, PTGS2	D28235	1
3994 MIOA3944a	RASF-A PLA2 (synovial phospholipase)	M22431	1
3995 MIOA3891a	RED CELL ACID PHOSPHATASE 1, ISOZYME F (ACP1) (LOW MOLECULAR WEIGHT PHOSPHOTYROSINE PROTEIN PHOSPHATASE) (ADIPOCYTE ACID PHOSPHATASE, ISOZYME ALPHA) (62% aa)	spP24666	1
3996 hfcr5454	Sac domain-containing inositol phosphatase 2 (SAC2)	NM_014937.1	1
3997 FCR0999	saposin proteins A-D	M32221	1
3998 MIOA2862a	squalene synthase	X69141	1
3999 SEOA5162a	steroid 5-alpha-reductase	M32313	1
4000 fCR0837	steroid membrane binding protein	X99714	1
4001 MIOA0595a	steroid sulfatase (STS)	M16505	1
4002 ncrb5653	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor) (RefSeq aa 1e-41)	NP_006278.1	1
4003 hfcr3534	urf4 (ORF)= NADH-UBIQUINONE OXIDOREDUCTASE CHAIN= P03905	L00016	1
4004 SEOA9060	ATP SYNTHASE B CHAIN, MITOCHONDRIAL PRECURSOR	spP24539	1
4005 FCR1741	ATP synthase inhibitor protein	M22559	1
4006 MIOA0707	ATP synthase subunit c, P1	D13118	1
4007 hfcr6692	ATP synthase, H transporting, mitochondrial F0 complex, subunit c (subunit 9), isoform 2 (ATP5G2)	NM_005176.3	1
4008 hfcr5961	ATP synthase, H transporting, mitochondrial F1 complex, beta polypeptide(ATP5B), nuclear gene encoding mitochondrial protein,=( F1 beta subunit )	NM_001686.1	1
4009 ncr5416	ATP synthase, H transporting, mitochondrial F1 complex, epsilon subunit(ATP5E)	NM_006886.1	1
4010 ncrb6327	ATP synthase, H transporting,mitochondrial F1 complex, O subunit (oligomycinsensitivity conferring protein) (RefSeq aa 5e-88)	NP_001688.1	1
4011 MIOA3646a	ATP synthetase beta-subunit	X05606	1
4012 FCR0955	ATP synthetase epsilon-subunit, nuclear-endcoded mitochondrial	X16978	1
4013 hfcr2238	ATP(GTP)-binding protein	AJ010842.1	1
4014 ncrb1175	breast cancer metastasis-suppressor 1 (BRMS1)	AF159141.1	1



## Figure 6A - Continued

4015 ncr8594	COX15 (yeast) homolog, cytochrome c oxidase assembly protein (COX15)	NM_004376.1	1
4016 ncr0524	CYTOCHROME B	P00156	1
4017 MIOA4082a	cytochrome b large subunit of complex II	D49737	1
4018 MIOA0482n	cytochrome bc-1 complex core P	S74321	1
4019 MIOA5893a	cytochrome c oxidase chain I [MesoCRicetus auratus]	U97674	1
4020 ncr5293	cytochrome c oxidase subunit II [Artibeus jamaicensis]	AF061340	1
4021 ncr9401	cytochrome c oxidase subunit IV (COX4), nuclear gene encoding mitochondrial	NM_001861.1	1
4022 SEOA5843	cytochrome c oxidase subunit VIb (EC 1.9.3.1)	X13923	1
4023 ncr9438	cytochrome c oxidase subunit VIIa polypeptide 1 (muscle) (RefSeq aa 3e-40)	NP_001855.1	1
4024 MIOA3452a	cytochrome c oxidase VIIC (EC 1.9.3.1)	X52940	1
4025 fcrb1867	cytochrome c-1 (CYC1)	NM_001916.1	1
4026 SEOA8550	cytochrome oxidase I	CAA24028.1	1
4027 ncr7629	cytochrome-c oxidase (EC 1.9.3.1) chain I	C59153	1
4028 seob6704	ferredoxin 1 (FDX1) mRNA	NM_004109.1	1
4029 ncrb8468	glyoxylate reductase/hydroxypyruvatereductase (RefSeq aa 1e-62)	NP_036335.1	1
4030 ncrb8102	GTP AMP phosphotransferase mRNA, complete cds; nuclear gene for mitochondrial product	AF183419.1	1
4031 hfcr9285	Hsa4 mitochondrion cytochrome oxidase subunit II (COII) gene	U12692.1	1
4032 hfcr5522	isocitrate dehydrogenase	U52144.1	1
4033 hfcr0225	isocitrate dehydrogenase 1 (NADP ), soluble (IDH1)	NM_005896.1	1
4034 hfcr1694	isocitrate dehydrogenase 3 (NAD ) gamma (IDH3G)	NM_004135.1	1
4035 FCR5875	malate dehydrogenase precursor (MDH) (mitochondrial)	AF047470	1
4036 ncr7295	malonyl-CoA decarboxylase precursor (MLYCD)	AF097832.2	1
4037 BFCW0108	mitochondria isolate Aus3 cytochrome b (CYTB)	AF042516	1
4038 fcrb1922	mitochondria solute carrier protein (MSCP)	AY032628.1	1
4039 miob2926	mitochondrial (Asian) DNA control region, sequence 87	M76321.1	1
4040 FCR4468	mitochondrial ATP synthase c subunit (P2 form)	X69908	1
4041 FCR7403	mitochondrial ATPase subunit 9	M16439	1
4042 SEOA0388	mitochondrial carrier homologue 1 (=CGI protein)	AF176006.1	1
4043 FCR6698	mitochondrial control region II, sample NG14	L39338	1
4044 SEOB0536	mitochondrial cytochrome b	AB033713.1	1
4045 MIOA3602a	MITOCHONDRIAL CYTOCHROME B-245 HEAVY CHAIN (P22 PHAGOCYTE B-CYTOCHROME) (NEUTROPHIL CYTOCHROME B, 91 KD POLYPEPTIDE) (CGD91-PHOX) (GP91-PHOX	spQ61093	1
4046 SEOA2194a	mitochondrial cytochrome c oxidase subunits I, II and III, and ATPase subunit 6	M27315	1
4047 MIOA2569a	mitochondrial D-loop (isolate RomB15)	AJ230609.1	1
4048 fcrb1759	mitochondrial DNA complete genome	X93334.1	1
4049 ncrb8206	mitochondrial DNA,	D38112.1	1
4050 MIOA4068a	mitochondrial genes coding for three transfer RNAs (specific for Phe, Val and Leu)	V00665	1
4051 hfcr9726	mitochondrial glutathione reductase and cytosolic glutathione reductase (GRD1) gene, complete cds, alternatively spliced	AF228703.1	1
4052 SEOA0512	mitochondrial HSP75	L15189	1
4053 MIOA7481a	mitochondrial initiation factor 2	L34600	1
4054 seob5033	mitochondrial intermediate peptidase (MIPEP), nuclear gene encoding mitochondrial protein	NM_005932.1	1

## Figure 6A - Continued

4055 seob4172	MITOCHONDRIAL PROCESSING PEPTIDASE BETA SUBUNIT PRECURSOR (BETA-MPP) (P-52)	spO75439	1
4056 MIOA1303	mitochondrial processing peptidase beta-subunit	AF054182	1
4057 fcrb2168	mitochondrial solute carrier (LOC51312)	XM_040570.1	1
4058 ncrb0513	NAD(P)H: quinone oxidoreductase gene	M81600.1	1
4059 FCR1237N	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 7 (18kD, B18) (NDUFB7) (= M33374 cell adhesion protein (SQM1))	gi4758781	1
4060 ncr1939	NADH dehydrogenase (ubiquinone) Fe-Sprotein 4 (18kD) (NADH-coenzyme Q reductase) (RefSeq aa 4e-63)	NP_002486.1	1
4061 ncr6128	NADH dehydrogenase subunit 3(RefSeq aa 8e-35)	gi5835395	1
4062 ncrb1788	NADH dehydrogenase subunit 5 (RefSeq aa 3e-31)	gi5835398	1
4063 ncrb4072	NADH dehydrogenase(ubiquinone) 1 alpha subcomplex, 10 (42kD) (NDUFA10)	NM_004544.1	1
4064 hfcr1910	NADH:ubiquinone oxidoreductase MLRQ subunit homolog	AF164796.1	1
4065 MIOA6913a	NADH:ubiquinone oxidoreductase NDUFS3 (ORF)	AF067139	1
4066 ncrb2523	NADH-cytochrome b5 reductase isoform	AF125533.1	1
4067 SEOA8543	NADH-UBIQUINONE OXIDOREDUCTASE 18 KD SUBUNIT PRECURSOR (COMPLEX I-18 KD) (CI-18 KD) (COMPLEX I-AQDQ) (CI-AQDQ)	spO43181	1
4068 seoa8026	NADH-UBIQUINONE OXIDOREDUCTASE 30 KD SUBUNIT PRECURSOR (COMPLEX I-30KD) (CI-30KD)	P23709	1
4069 FCR0297	NADH-UBIQUINONE OXIDOREDUCTASE B17 SUBUNIT (COMPLEX I-B17) (CI-B17)	spQ29259	1
4070 seob3670	NADH-ubiquinone oxidoreductase B8 subunit mRNA, nuclear gene encoding mitochondrial protein,	AF077029	1
4071 hfcr3972	NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 3	P03897	1
4072 ncr0171	NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 5	P03915	1
4073 SEOA8276	NADH-UBIQUINONE OXIDOREDUCTASE MWFE SUBUNIT (COMPLEX I-MWFE) (CI-MWFE)	spO15239	1
4074 ncrb0798	NADH-ubiquinone oxidoreductase subunit B14.5B homolog mRNA, complete cds	AF070652.1	1
4075 FCR4160	NADH-ubiquinone oxidoreductase subunit CI-B8	AF047185	1
4076 FCR7031	NADPH-flavin reductase	D26308	1
4077 ncr1351	NDUFB8 gene	Y16004.1	1
4078 ncrb5609	NRH:quinone oxidoreductase 2 gene (NQO2)	AB050248.1	1
4079 FCR6455	nuclear aconitase (mitochondrial)	U80040	1
4080 MIOA5326a	p6=cytochrome c oxidase subunit VIc homolog/COSVIc/prostatic carcinoma upregulated gene (ORF)	S82616	1
4081 ncrb0564	quinolinate phosphoribosyltransferase (nicotinate-nucleotide pyrophosphorylase (carboxylating)) (QPRT), mRNA	NM_014298.2	1
4082 hfcr9940	succinate dehydrogenase iron-protein subunit (sdhB) gene	U17248.1	1
4083 hfcr3921	Succinic semialdehyde dehydrogenase (SSADH) (ORF)	NM_001080.1	1
4084 miob1125	succinyl-CoA synthetase GTP-specific beta subunit	AF171077.1	1
4085 SEOA6887	UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX UBIQUINONE-BINDING PROTEIN QP-C(UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX 9.5 KD PROTEIN) (COMPLEX III SUBUNIT VII)	spO14949	1
4086 ncrb5227	beacon	AAG34704.1	1
4087 SEOA0045n	biotinidase	U03274	1

## Figure 6A - Continued

4088 BFC0198	dihydroxypolyprenylbenzoate methyltransferase (low match)	L20427	1
4089 fcrb1241	folypolyglutamate synthase (FPGS) mRNA	NM_004957.1	1
4090 hfcr9475	isolate sporadic PCT patient 10 uroporphyrinogen decarboxylase (UROD)	AF104440.1	1
4091 SEOA9321	non-functional folate binding protein	NP_037439.1	1
4092 ncr3319	nonfunctional GM3 synthase	AF119417.1	1
4093 hfcr1806	Porphobilinogen deaminase (PBG-D, EC 4.3.1.8)(=hydroxymethylbilane synthase)	X04217.1	1
4094 FCR3706	pterin-4a-carbinolamine dehydratase (PCBD) (=M83742 cofactor)	L41559	1
4095 seob6414	nonhepatic arginase	D86724.1	1
4096 ncrb2428	6-pyruvoyltetrahydropterin synthase(RefSeq aa 7e-39)	NP_000308.1	1
4097 MIOA9061	amine oxidase, copper containing 3 (vascular adhesion protein 1) (AOC3), mRNA	NM_003734.2	1
4098 BFCN0124	Arg/Abl-interacting protein ArgBP2a (ArgBP2a) (=AB018320 hypothetical protein (KIAA0777))	AF049884	1
4099 ncr0791	ArgBPIB protein (=Arg protein tyrosine kinase-binding protein)	X95677.1	1
4100 FCR5407	arginine methyltransferase	Y10806	1
4101 ncr6408	aspartate aminotransferase 1 (RefSeq aa 1e-51)	NP_002070.1	1
4102 ncr1775	basic leucine zipper nuclear factor 1 (JEM-1) (BLZF1)	NM_003666.1	1
4103 mioa7688a	colon and small intestine-specific cysteine-rich protein precursor similar to FIZZ2/resistin-like protein (HXCP2), mRNA /cds=(98,433) /gb=Nm_032579 /gi=14211896 /ug=Hs.307047 /len=1250	Hs.307047	1
4104 ncr2273	cytidine deaminase	AF061658.1	1
4105 HFCR3256	DHHC1 protein	AF247703.1	1
4106 seob7931	dipeptidyl peptidase IV (CD26)	U13735.1	1
4107 fcrb2462	duodenal cytochrome b (FLJ23462), mRNA	XM_015916.2	1
4108 ncr1420	extremely cysteine/valine rich protein [Leishmania major]	AL390114	1
4109 MIOA7241a	fucosidase, alpha-L- 1, tissue (FUCA1)	gi4503802	1
4110 hfcr6524	fumarase nuclear gene encoding mitochondrial protein	U48857.1	1
4111 SEOA3063a	fumarase precursor (FH) (mitochondrial)	U59309	1
4112 fcrb2160	gamma-glutamyl hydrolase (conjugase, folypolygammaglutamyl hydrolase) (GGH)	XM_005313.4	1
4113 ncr3453	glutaminase isoform C mRNA, 3'UTR	AF097494.1	1
4114 seoa6801	glutaminyl-peptide cyclotransferase (glutaminyl cyclase) (QPCT), mRNA /cds=(11,1096) /gb=Nm_012413 /gi=9257235 /ug=Hs.79033 /len=1573	Hs.79033	1
4115 ncr3138	glycine C-acetyltransferase (2-amino-3-ketobutyrate-CoA ligase) (GCAT)	NM_014291.1	1
4116 ncr6435	glycine cleavage system protein H (aminomethyl carrier) (RefSeq aa 2e-43)	NP_004474.1	1
4117 FCR6866	glycine-rich protein 2	AJ130887	1
4118 FCR3883	glycosylasparaginase (=X55330;M64073)	X55762	1
4119 fcrb1604	glycosyltransferase (LOC83468)	XM_049187.2	1
4120 SEOA6235	H-protein	M69175	1
4121 hfcr3579	HPV16 E1 protein binding protein	U96131.1	1
4122 ncrb5272	HPV-16 E2 binding protein (E2BP-1) (=TCFL5)	AF070992.1	1
4123 FCR4467	isoleucyl-tRNA synthetase	D28473	1
4124 ncr6953	isovaleryl-CoA dehydrogenase (IVD) gene, exon 12 and partial cds	AF038318.1	1
4125 ncr4224	Kreisler (mouse) maf-related leucine zipper homolog (KRML)	NM_005461.1	1

## Figure 6A - Continued

4126 miob3794	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase) (KMO)	NM_003679.1	1
4127 ncr3255	lacrimal proline rich protein (RefSeq aa 2e-78)	NP_009175.1	1
4128 SEOA2413	L-arginine:glycine amidinotransferase	X86401	1
4129 MIOA4109	Leu zipper protein p40(61%)	gi 382917	1
4130 FCR3528	leucine zipper protein Fip3p (=AF074382 lkb kinase gamma subunit)	AF062089	1
4131 fcrb1996	leucine-zipper protein FKSG13 (LOC90598)	XM_032849.1	1
4132 seob7681	lysosomal glycosylasparaginase (AGA) (=X55330.1 aspartylglucosaminidase)	U21281.1	1
4133 ncr0007	MBIP protein (MBIP)	NM_016586.1	1
4134 SEOA6078a	methionine adenosyltransferase regulatory beta subunit	AF182814	1
4135 ncr0291	methionyl tRNA synthetase	D84224	1
4136 hfcr9995	methyl-CpG binding domain protein 3 (MBD3)	NM_003926.4	1
4137 ncr9707	mitochondrial isoleucine tRNA synthetase, Length = 3387	D28500.1	1
4138 MIOA7593a	ornithine decarboxylase (contains Alu repeat)	M33764	1
4139 ncr0851	ornithine decarboxylase antizyme 2 (OAZ2)	NM_002537.1	1
4140 SEOA3144	orotidine 5'-monophosphate decarboxylase	M36661	1
4141 FCR5627	periodic tryptophan protein 2 (PWP2)	U56085	1
4142 ncr4757	polyglutamine-containing C14ORF4 gene	AJ277365.1	1
4143 hfcr7498	proline isomerase FK506-binding protein (FKBP13) gene	L18980.1	1
4144 miob6728	pyrroline-5-carboxylate synthase long form (P5CSL)	U76542.1	1
4145 ncr6316	selenium binding protein 1 (RefSeq aa 8e-40)	NP_003935.1	1
4146 hfcr7320	selenocysteine lyase (SCLY)	NM_016510.1	1
4147 fcrb1611	serine (or cysteine) proteinase inhibitor, clade H (heat shock protein 47) member 2 (SERPINH2)	XM_035024.2	1
4148 ncr3161	serine carboxypeptidase 1 precursor protein (HSCP1)	NM_021626.1	1
4149 seob7304	spermine synthase gene	AJ009633.1	1
4150 hfcr6288	suppressor of S. cerevisiae gcr2 (HSGT1)	NM_007265.1	1
4151 FCR2842N	BCS1 (yeast homolog)-like (BCS1L)	AF026849	1
4152 mioa9258	SCAD gene, 5' UTR exon 1 and 2 (and joined CDS)	Z80345.1	1
4153 hfcr3450	selenoprotein N	AF166125.1	1
4154 hfcr0710	selenoprotein X (LOC51734)	NM_016332.1	1
4155 fcrb2437	LENG5 protein (LENG5), mRNA	NM_024075.1	1
4156 FCR5472	cap-binding protein 4EHP	AF047695	1
4157 ncr8867	elongin B; transcription elongation factor B, polypeptide 2 (RefSeq aa 2e-44)	NP_009039.1	1
4158 miob2903	eukaryotic initiation factor 2B-epsilon	U23028.1	1
4159 FCR5728	eukaryotic translation initiation factor (eIF3)	U78525	1
4160 ncrb6949	eukaryotic translation initiation factor 1A (RefSeq aa 6e-69)	NP_001403.1	1
4161 miob0784	eukaryotic translation initiation factor 3, subunit 5 (epsilon, 47kD) (EIF3S5)	NM_003754.1	1
4162 hfcr3540	eukaryotic translation initiation factor 3, subunit 8 (110kD) (EIF3S8)(ORF)	NM_003752.2	1
4163 hfcr8591	eukaryotic translation initiation factor 3, subunit 9 (eta, 116kD) (EIF3S9)	NM_003751.1	1
4164 ncrb1802	eukaryotic translation initiation factor 4 gamma, 3 (EIF4G3)	NM_003760.2	1
4165 ncrb6480	hydatidiform mole associated and imprinted (HYMAI)	AF241534.1	1
4166 seob4539	initiation factor eIF-2B gamma subunit (eIF-2B gamma)	U38253.1	1
4167 ncr5803	MAMMA1 cDNA clone MAMMA1001942 5	AU122237.1	1
4168 SEOA6144a	met-tRNA-i gene 2 (clone lambda-htm2)	J00311	1
4169 hfcr1254	peptide elongation factor 1-beta mRNA, complete cds	AF103726	1

Figure 6A - Continued

4170 mioa0571a	region containing eukaryotic translation elongation factor 1 alpha 1-like 14; eukaryotic translation elongation factor 1 alpha 1(LOC82256)	XM_016036.1	1
4171 hfcr7815	translation initiation factor 4e	AF038957.1	1
4172 SEOB3589	translation repressor NAT1 (=eukaryotic translation initiation factor 4 gamma, 2 (EIF4G2))	U76111.1	1
4173 SEOA0545A	unr-interacting protein	AJ010025.1	1
4174 seob6342	838.98 23S ribosomal RNA gene	AF146762.1	1
4175 mioa9541	GAR1 protein (GAR1 gene)	AJ276003.1	1
4176 fcrb1541	mitochondrial ribosomal protein L11 (MRPL11)	XM_006493.4	1
4177 seoa7890a	mitochondrial ribosomal protein L18 (MRPL18), mRNA /cds=(123,662) /gb=NM_014161 /gi=7661777 /ug=Hs.23038 /len=968	Hs.23038	1
4178 seoa7707a	mitochondrial ribosomal protein L22 (MRPL22), mRNA /cds=(6,692) /gb=NM_014180 /gi=7661815 /ug=Hs.41007 /len=724	Hs.41007	1
4179 seoa7975	mitochondrial ribosomal protein L3 (MRPL3), mRNA /cds=(76,1122) /gb=NM_007208 /gi=6005861 /ug=Hs.79086 /len=1634	Hs.79086	1
4180 seoa7839a	mitochondrial ribosomal protein L33 (MRPL33), mRNA /cds=(35,232) /gb=NM_004891 /gi=4759047 /ug=Hs.14454 /len=512	Hs.14454	1
4181 BFCN0203	mitochondrial ribosomal protein S12	Y11681	1
4182 mioa7875	mitochondrial ribosomal protein S21 (MRPS21), transcript variant 2, nuclear gene encoding mitochondrial protein, mRNA /cds=(518,781) /gb=NM_018997 /gi=16950592 /ug=Hs.81281 /len=939	Hs.81281	1
4183 seoa8126	mitochondrial ribosomal protein S30 (MRPS30), mRNA /cds=(38,1357) /gb=NM_016640 /gi=16950598 /ug=Hs.28555 /len=1482	Hs.28555	1
4184 ncr3655	ribosomal L21 protein gene	L38826.1	1
4185 FCR4212	ribosomal protein (RPS4Y) isoform	M58459	1
4186 ncr5760	ribosomal protein 60S acidic ribosomal	NM_016183.1	1
4187 mioa9722	ribosomal protein L17 isolog	AF164797	1
4188 SEOA3737a	ribosomal protein L20	AE002038	1
4189 FCR1312	ribosomal protein LLRep3	X17206	1
4190 ncr9867	ribosomal protein, complete cds	D23660.1	1
4191 FCR6630	ribosomal RNA 12S	X13956	1
4192 SEOA4293a	ribosomal RNA 23S gene	AF146762	1
4193 MIOB2859	ribosomal RNA 28S	M30952.1	1
4194 ncr4539	Ribosomal RNA processing	NM_014285.1	1
4195 SEOA6504a	ribosomal RNA, large subunit ATCC 46578	U17421	1
4196 MIOA2214a	ribosomal subunit protein L13	AE000402	1
4197 SEOB1008	ribosome associated membrane protein RAMP4	AJ238236.1	1
4198 BFCW0530	ribosome receptor, p180	X87224	1
4199 fcrb2757	RPL15 gene for ribosomal protein L15, complete cds and sequence	AB061823.1	1
4200 ncr3648	RPL6 gene for ribosomal protein L6, complete cds	AB042820.1	1
4201 SEOA8783	STEROL-REGULATORY ELEMENT-BINDING PROTEINS INTRAMEMBRANE PROTEASE (SITE-2 PROTEASE)	spO43462	1
4202 ncrb4390	surf3 gene (ribosomal protein L7a)	X61923.1	1
4203 MIOA4686	acid sphingomyelinase (ASM) gene, exons a, and alternative a (3' end), b and c (5' end).	M59917	1
4204 SEOA6661a	ADAMTS-1	AB001735	1
4205 seob7906	amyloid precursor protein homolog HSD-2	AF168956.1	1
4206 MIOA7606a	amyloid precursor protein-binding protein 1	U50939	1
4207 FCR1060	antileukoprotease (ALP)	X04470	1

## Figure 6A - Continued

4208 hfc0285	basigin (BSG)(= M6 antigen)	NM_001728.1	1
4209 MIOA8648	CARBOXYPEPTIDASE H PRECURSOR (CPH) (CARBOXYPEPTIDASE E) (CPE) (ENKEPHALIN CONVERTASE) (PROHORMONE PROCESSING CARBOXYPEPTIDASE)	spP16870	1
4210 hfc8510	carboxypeptidase Z (CPZ)	NM_003652.1	1
4211 MIOB2836	cathepsin S (CTSS)	M90696.1	1
4212 seob6256	cathepsin Z precursor (CTSZ) gene, exons 4, 5, and 6 and complete cds; and TH1 gene partial sequence (=HSPC130)	AF136276.1	1
4213 FCR6553	collagenase stimulatory factor (EMMPRIN) (=L20471 extracellular matrix metalloproteinase inducer)	L10240	1
4214 ncrb5145	cysteine sulfinic acid decarboxylase-related protein 4 (CSAD)	AF116548.1	1
4215 hfc9884	ENO2 gene for neuron specific (gamma) enolase (=enolase 2, (gamma, neuronal))	X51956.1	1
4216 seob4612	inhibitor 2 of protein phosphatase 1	AJ133812.1	1
4217 hfc6921	matrix metalloproteinase 19 (MMP19)	NM_002429.1	1
4218 FCR5141	metallocarboxypeptidase CPX-1	AF077738	1
4219 seob6625	metalloproteinase, complete cds	D83646.1	1
4220 ncrb4782	pancreatic carboxypeptidase B1precursor (RefSeq aa 5e- 49)	NP_001862.1	1
4221 miob1074	parvulin	AB009690.1	1
4222 ncrb5744	peflin (PEF)	NM_012392.1	1
4223 fcrb1929	peptidase (mitochondrial processing) beta (PMPCB)	XM_055749.1	1
4224 SEOA4452a	peptidase D (PEPD) =J04605, prolidase(imidodipeptidase)	NM_000285.1	1
4225 hfc8361	placental leucine aminopeptidase	D50810.1	1
4226 ncrb0254	procollagen C-proteinase enhancer protein type , complete cds	AB008549.1	1
4227 ncrb6394	procollagen type I proalpha 1	K01228.1	1
4228 fcrb1128	procollagen type I pro-alpha 2 chain (COL1A2) mRNA, complete cds	AF035120	1
4229 MIOA7973a	proctasin	U33446	1
4230 ncr7382	protease inhibitor 1 (anti-elastase),alpha-1-antitrypsin (RefSeq aa 3e-43)	NP_000286.1	1
4231 ncr8866	protease inhibitor 9 (ovalbumin type)(RefSeq aa 6e-31)	NP_004146.1	1
4232 FCR0751	protease subunit S5a (=U72664 S5a/antiseCRetory factor protein) 26S	U51007	1
4233 hfc8495	protease, serine, 15 (PRSS15) (=Lon protease)	NM_004793.1	1
4234 hfc6840	proteasome (prosome, macropain) 26S subunit, ATPase, 4 (PSMC4) (=MIP224)	NM_006503.1	1
4235 ncr4737	proteasome (prosome, macropain) 26S subunit, non- ATPase, 10 (PSMD10)	NM_002814.1	1
4236 hfc1324	proteasome (prosome, macropain) 26S subunit, non- ATPase, 7 (Mov34 homolog)(PSMD7) (ORF)	NM_002811.1	1
4237 ncr9978	proteasome (prosome, macropain)activator subunit 2 (PA28 beta) (RefSeq aa 6e-83)	NP_002809.1	1
4238 ncrb0803	proteasome (prosome, macropain)subunit, alpha type, 1 (RefSeq aa 3e-36)	NP_002777.1	1
4239 ncrb2685	proteasome (prosome, macropain)subunit, alpha type, 5 (RefSeq aa 6e-35)	NP_002781.1	1
4240 ncrb6367	proteasome (prosome, macropain)subunit, beta type, 5 (RefSeq aa 2e-41)	NP_002788.1	1
4241 MIOA5695	proteasome (prosome,macRopain) 26S subunit, non- ATPase, 1 (PSMD1) =D44466 ,proteasome subunit p112,	NM_002807.1	1

Figure 6A - Continued

4242 ncr8314	proteasome (prosome,macropain) 26S subunit, non-ATPase, 9 (PSMD9), mRNA	NM_002813.1	1
4243 SEOB0678a	PROTEASOME COMPONENT C3 (MACROPAIN SUBUNIT C3)(MULTICATALYTIC ENDOPEPTIDASE COMPLEX SUBUNIT C3)	spP25787	1
4244 SEOA8854	PROTEASOME COMPONENT C5 (MACROPAIN SUBUNIT C5) (PROTEASOME GAMMA CHAIN) (MULTICATALYTIC ENDOPEPTIDASE COMPLEX SUBUNIT C5)	spP20618	1
4245 BFCN0096	proteasome inhibitor hPI31 subunit	D88378	1
4246 MIOA2094	proteasome subunit HsC7-I	D26599	1
4247 FCR4012	proteasome subunit p3126S	D38047	1
4248 FCR7386	proteasome subunit p44.5 26S	AB003102	1
4249 FCR7171	proteasome subunit p58	D67025	1
4250 hfcr6847	proteasome subunit p97 26S	D78151.1	1
4251 fcrb1066	protein arginine N-methyltransferase 1 (HRMT1L2) gene, complete cds, alternatively spliced, low match	AF222689	1
4252 MIOA7465a	protein arginine N-methyltransferase 2 (PRMT2)	U80213	1
4253 SEOB0002	PROTEIN PLT	spQ02083	1
4254 SEOA0721a	protein product (=AF125387) D.melanogaster L82D)	AK000987	1
4255 ncr1122	protein rapamycin associated protein (FRAP2) gene	U88966.1	1
4256 ncr3396	protein translocation complex beta (SEC61B)	NM_006808.1	1
4257 FCR3575	proteinase chain 5a (non-exact 71%) 26S	NM_002810.1	1
4258 miob3655	serine protease, umbilical endothelium (SPUVE)	NM_007173.1	1
4259 SEOA6565a	sorting nexin 10 (SNX10)	AF121860.1	1
4260 hfcr6727	sorting nexin 11 (SNX11)	NM_013323.1	1
4261 SEOA6621a	stromelysin-3	X57766	1
4262 FCR3731	thimet oligopeptidase (metalloproteinase) (=U29366)	Z50115	1
4263 MIOB2656	thrombin inhibitor	Z22658.1	1
4264 MIOA8666	TIMP-3 (=mig-5) (=K222)	D45917	1
4265 seob5003	tissue inhibitor of metalloproteinase 2 (TIMP2)	NM_003255.1	1
4266 seob4896	tissue inhibitor of metalloproteinase 4 (TIMP4) gene	AF057532.1	1
4267 seob4804	tripeptidyl peptidase II (TPP2)	NM_003291.1	1
4268 ncr9460	trypsin-like serine protease (TLSP) gene	AF164623.1	1
4269 hfcr9894	Ubc6p homolog	U93242.1	1
4270 MIOA0626a	33 polypeptide	X07266	1
4271 seob5538	BRCA1, Rho7 and vat1 genes	L78833.1	1
4272 ncr3139	BRCA1-associated RING domain protein (BARD1)	AF038042.1	1
4273 HFCR3165	chaperonin subunit 5 (epsilon) (Cct5) (=D43950.1 Human KIAA0098)	gi6671701	1
4274 seob4322	deubiquitinating enzyme (UNPH4)= AF153604 ubiquitin-specific protease homolog (UPH)	AF106069	1
4275 miob4756	E1-E2 ATPase	AF155913.1	1
4276 ncr5442	farnesyl transferase, CAAX box, beta (FNTB)	NM_002028.1	1
4277 ncrb1549	F-box only protein 3 (FBXO3)	NM_012175.1	1
4278 seoa7709a	F-box only protein 9 (FBXO9), transcript variant 2, mRNA /cds=(367,1680) /gb=NM_033480 /gi=15812200 /ug=Hs.11050 /len=3454	Hs.11050	1
4279 SEOA5465a	F-box protein Fbl3a (ORF)	AF129532_1	1
4280 SEOA6129a	F-box protein FBX11	AF176706	1
4281 miob2960	F-box protein Fbx25	AAF04526.1	1
4282 ncrb2771	F-box protein FBX29 (FBX29)	AF176707.1	1
4283 ncr1029	F-box protein Lilina (LILINA)	AF179221.1	1
4284 FCR3698	hkf-1	D76444	1
4285 hfcr2784	huntingtin interacting protein HYPB	AF049610.1	1
4286 ncr3376	huntingtin-interacting	AF049528	1
4287 ncr1507	LUCA-15 protein splice variant	AF107493	1
4288 FCR2102	miCRosomal signal peptidase complex (SPC 18)	J05466	1
4289 hfcr1259	MRS1 protein (MRS1)	NM_015368.1	1

## Figure 6A - Continued

4290 ncrb3284	myristoyl-CoA:protein N-myristoyltransferase	Y17208.1	1
4291 fcrb2167	Nedd-4-like ubiquitin-protein ligase (LOC116013)	XM_057201.1	1
4292 fCR0791	neuronal calcium sensor (NCS-1)	L27421	1
4293 SEOB3503	N-myristoyltransferase 2 (NMT2)	NM_004808.1	1
4294 hfcr0263	paired basic amino acid cleaving enzyme (furin, membrane associated receptor protein) (PACE)	NM_002569.1	1
4295 fcrb2652	peptidylprolyl isomerase (cyclophilin)-like 3 (PPIL3)(= similar to 4-1BB-mediated signaling molecule,)	NM_032472.1	1
4296 cr0026	peptidylprolyl isomerase D (cyclophilin D) (PPID), mRNA /cds=(99,1211) /gb=Nm_005038 /gi=4826931 /ug=Hs.143482 /len=1812	Hs.143482	1
4297 FCR3005	peroxisomal acyl-coenzyme A oxidase	S69189	1
4298 BFCW0326	PEROXISOMAL ANTIOXIDANT ENZYME (LIVER TISSUE 2D-PAGE SPOT 71B)	spP30044	1
4299 SEOA2972a	peroxisomal Ca-dependent solute carrier	AF004161	1
4300 FCR0637	prolyl oligopeptidase	X74496	1
4301 miob6087	protein disulfide isomerase-related (PDIR)	NM_006810.1	1
4302 FCR1182	protein gene product (PGP) 9.5 (=P09936 UBIQUITIN CARBOXYL-TERMINAL HYDROLASE ISOZYME L1 (UCH-L1))	X04741	1
4303 hfcr8957	rapamycin- and FK506-binding protein	M75099.1	1
4304 MIOA8051a	ribophorin I	Y00281	1
4305 ncr0508	signal recognition particle 19kD (SRP19), mRNA	NM_003135.1	1
4306 MIOA8622	site-1 protease(subtilisin-like, sterol-regulated, cleaves sterol regulatory element binding proteins) (S1P) (=KIAA0091)	NM_003791.1	1
4307 MIOA2993a	SRcyp protein (=U40763 Clk-associated RS cyclophilin CARS-Cyp)	X99717	1
4308 hfcr5514	synthetic ubiquitin (UBCEP80) gene	M24507.1	1
4309 SEOA2467	TL132	AJ012755	1
4310 MIOA8704	translocon-associated protein alpha subunit (=DCN)	AF156965.1	1
4311 FCR4214	ubiquinone oxidoreductase complex CI-PDSW	X63224	1
4312 ncr0095	ubiquitin associated protein (UBAP),	NM_016525.2	1
4313 SEOA0488	UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 64E (UBIQUITIN THIOLESTERASE 64E)	spQ24574	1
4314 hfcr9727	ubiquitin carrier protein E2-C (UBCH10)(= cyclin-selective ubiquitin carrier protein)	NM_007019.1	1
4315 FCR2859	ubiquitin conjugating enzyme (UbcH8)	AF031141	1
4316 hfcr4112	ubiquitin conjugating enzyme type UBC9	X96427.1	1
4317 SEOB3313	Ubiquitin conjugating enzyme UEV1Bs (UBE2V)	U97280.1	1
4318 ncr06984	ubiquitin fusion degradation 1-like(RefSeq aa 6e-57)	NP_005650.1	1
4319 fCR1002	ubiquitin ligase (Nedd4) protein	U50842	1
4320 ncr9105	ubiquitin specific protease 13 (isopeptidase T-3) (RefSeq aa 2e-63)	NP_003931.1	1
4321 seoa8109	ubiquitin specific protease 3 (USP3), mRNA /cds=(93,1658) /gb=Nm_006537 /gi=5730109 /ug=Hs.251636 /len=2309	Hs.251636	1
4322 ncr8337	ubiquitin specific protease 7 (herpes virus-associated) (USP7), mRNA	NM_003470.1	1
4323 seob4835	ubiquitin specific protease 8 (USP8)(=KIAA0055)	NM_005154.1	1
4324 ncrb4990	ubiquitin specific protease 9 (USP9Y)	XM_000563.1	1
4325 ncr9587	ubiquitin-activating enzyme E1 (A1S9T and BN75 temperature sensitivity complementing)(UBE1)	NM_003334.1	1
4326 hfcr1744	ubiquitinating enzyme E2-230 kDa	U20780.1	1
4327 MIOA8274	UBIQUITIN-CONJUGATING ENZYME E2-17 KD (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (HR6B)	spP23567	1



## Figure 6A - Continued

4328 MIOA1971a	ubiquitin-conjugating enzyme E2A (RAD6 homolog) (UBE2A) (=M74524 HHR6A (yeast RAD 6 homologue))	gi4507768	1
4329 fcrb2596	ubiquitin-conjugating enzyme E2I (homologous to yeast UBC9)	XM_007786.5	1
4330 SEOA4606a	ubiquitin-conjugating enzyme E2L 1 (UBE2L1) = (UBE2L3) =UbcH7(ORF)	NM_003346.1	1
4331 ncrb4547	ubiquitin-conjugating enzyme HBUCE1 (LOC51619)	NM_015983.1	1
4332 FCR4405	ubiquitin-conjugating enzyme UbcM2	AF003346	1
4333 SEOA0065	ubiquitin-conjugating enzyme UbcM3	X92665	1
4334 fCR0285	ubiquitin-like protein	D23662	1
4335 ncr6096	ubiquitin-protein ligase E3-alpha (UBR1) gene, exon 9	AF067385.1	1
4336 fcrb1921	ubiquitin-protein ligase NEDD4-like (NEDD4L)	NM_015277.1	1
4337 ncr7151	vacuolar protein sorting 35	NM_018206.1	1
4338 seob5080	vacuolar protein sorting 45B (yeast homolog) (VPS45B)	NM_007259.1	1
4339 BFCW0426	vacuolar protein sorting homologue h-vps45	U35246	1
4340 ncrb8538	vacuolar protein sorting protein 16	AAG34678.1	1
4341 FCR0018n	VACUOLAR PROTEIN SORTING-ASSOCIATED PROTEIN VPS28	spQ02767	1
4342 seob4805	vacuolar proton pump delta polypeptide (VATD)	NM_015994.1	1
4343 mioa9510	zinc metalloproteinase,STE24 (yeast, homolog) (ZMPSTE24)	NM_005857.1	1
4344 seob8090	zinc transporter 1 (ZNT1)	AF048701.1	1
4345 MIOA7555a	AZ2	AB007141	1
4346 MIOA8261	bromodomain protein CELTIX1	AAF19526.1	1
4347 ncr2370	corticotropin releasing hormone-binding protein (CRHBP)	NM_001882.2	1
4348 SEOA3007a	ID4 protein	Y07958	1
4349 fcrb1989	inhibitor of DNA binding 2, dominant negative helix-loop-helix protein (ID2)	XM_045365.1	1
4350 ncr8843	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase complex-associated protein; IKAP (RefSeq aa 3e-69)	NP_003631.1	1
4351 MIOA5511a	methyl-CpG-binding protein 2	AJ132917.1	1
4352 FCR0259	modifier 3 (M33) (=Y13274 M33 polycomb-like protein)	Y13274	1
4353 ncrb6960	neural retinal-specific	U95012.1	1
4354 hfcr1339	neural specific protein CRMP-2 gene	U83278.1	1
4355 ncrb1892	TANK-binding kinase 1 (TBK1)	NM_013254.1	1
4356 mioa9891	TBP-associated factor 170 (TAFII170)(low match)	AJ001017.2	1
4357 hfcr7864	4-aminobutyrate aminotransferase (ABAT), nuclear gene encoding mitochondrial protein, (= GABAT)	NM_000663.1	1
4358 ncrb0367	activating transcription factor 6 (RefSeq aa 2e-70)	NP_031374.1	1
4359 ncrb6833	adenovirus 5 E1A binding protein (BS69)	NM_006624.1	1
4360 SEOA4404a	AF-6	AB011399	1
4361 ncrb6357	AT-binding transcription factor 1 (ATBF1)(= zinc finger homeodomain protein (ATBF1-A)(= for alpha-fetoprotein enhancer binding protein)	NM_006885.1	1
4362 SEOB0304	BACH1	AB002803.1	1
4363 SEOA6377	basic transCRiption factor 62kD subunit (BTF2)	M95809	1
4364 MIOA0307	basic-leucine zipper nuclear factor (JEM-1)	U79751	1
4365 miob3035	BCE-1 protein (BCE-1)	NM_007005.1	1
4366 ncr3380	B-cell CLL/lymphoma 3 (BCL3)	NM_005178.1	1
4367 ncr5651	Bcl-2-associated transcription factor short form mRNA	AF249273.1	1
4368 miob5031	beta-hydroxysteroid dehydrogenase type VII 17 (HSD17B7)	AF098786.2	1
4369 SEOA1069a	B-IND1 protein (B-ind1)	Z97207.2	1

Figure 6A - Continued

4370 FCR2686	B-myb	X13293	1
4371 seoa8083	BTF3 protein homologue gene, complete cds /cds=(0,644) /gb=M90356 /gi=179575 /ug=Hs.181967 /len=645	Hs.181967	1
4372 SEOA7094a	C3HC4-like zinc finger protein	AF214680	1
4373 FCR5723	CAGH1a (CAGH1)	U80738	1
4374 hfcr2301	cAMP responsive element modulator (CREM)	AF213898.1	1
4375 FCR2999	CCAAT transCRiption binding factor subunit gamma (=U78774 NFY-C)	Z74792	1
4376 FCR3101	CCT (chaperonin containing TCP-1) epsilon subunit (=D43950 human hypothetical protein (KIAA0098))	Z31555	1
4377 MIOA6840a	cell growth regulatory with ring finger domain (CGR19=U66469 (ORF))	NM_006568.1	1
4378 MIOA5368a	Che-1 (ORF)	AF083208	1
4379 ncr3412	c-helix-loop-helix-PAS orphan MOP3	AF044288.1	1
4380 ncrb8319	chick ovalbumin upstream promoter transcription factor II (COUP-TFII)	M62760.1	1
4381 SEOB2169	cis-acting sequence	M82882.1	1
4382 SEOB2658	CREB binding protein (Rubinstein-Taybi syndrome) (CREBBP)	gi4758055	1
4383 MIOA7323	CREB327=cyclic AMP-responsive enhancer binding protein	S72459	1
4384 hfcr5798	CRE-BP1 transcription factor = cyclic AMP response	U16028.1	1
4385 ncr6129	DNA (cytosine-5-)-methyltransferase 1(RefSeq aa 3e-58)	NP_001370.1	1
4386 FCR1378	DNA for 3' untranslated region of the Id4 dominant negative helix-loop-helix gene	AJ001971	1
4387 SEOA5258a	DNA-binding factor (ORF)	M29204	1
4388 hfcr3454	DNA-binding protein (mbp-1)	M32019.1	1
4389 SEOA8870	DNA-BINDING PROTEIN RFXANK	spO14593	1
4390 fCR0483	Dr1-associated corepressor (DRAP1)	U41843	1
4391 BFCS0503	erm	X96375	1
4392 seob7419	erythroid differentiation-related factor 1	AF040247.1	1
4393 FCR3686	ETO=MTG8 (=X79990;D14289;D43638;D13979;D14821)	S78158	1
4394 FCR4782	ETS (qh43e05.x1 Soares_NFL_T_GBC_S1 clone IMAGE:1847456 3')	AI239823	1
4395 hfcr9140	ets-like protein (clone 3A)	Z49982.1	1
4396 hfcr5150	ETX1, ETX1=X-linked retinitis pigmentosa (RP3)	S82496.1	1
4397 fcrb2710	frezzed (fre) mRNA, complete cds	U68057.1	1
4398 ncr5292	Friend of GATA2 (FOG2)	NM_012082.2	1
4399 seoa0985m	frizzled-1	AB017363	1
4400 FCR6733	frizzled-7	AB017365	1
4401 MIOA4564a	g1-related zinc finger protein	AF171875	1
4402 hfcr1177	GCN5 (general control of amino-acid synthesis, yeast, homolog)-like 1 (GCN5L1)	NM_001487.1	1
4403 ncr6848	general transcription factor IIIC, polypeptide 2 (beta subunit, 110kD) (RefSeq aa 1e-82)	NP_001512.1	1
4404 hfcr1834	GT212	L38935.1	1
4405 hfcr7448	hairy/enhancer-of-split related with YRPW motif 1 (HEY1) (=CHF2)	NM_012258.1	1
4406 miob6999	hbrm	X72889.1	1
4407 miob4851	helix-loop-helix protein (Id-2)	M97796.1	1
4408 seob5302	helix-loop-helix transcription factor sequence	M97636.1	1
4409 hfcr2687	hepatocellular carcinoma associated ring finger protein	AF247565.1	1
4410 FCR3932	HIV associated non-Hodgkin's lymphoma (clone hl1-2)	Y16715	1
4411 ncr6141	HIV-1 rev binding protein 2 (RefSeq aa 5e-83)	NP_008974.1	1

## Figure 6A - Continued

4412 ncr4444	HIV-1 Vpr-binding protein (VprBP)	AF061935.1	1
4413 SEOA5297a	HIV-associated non-Hodgkin's lymphoma (clone hl2-1)	Y17170	1
4414 seob7015	HIV-EP2/Schnurri-2	M60119.1	1
4415 MIOA1058	HMG box containing protein 1	AF019214	1
4416 hfcr7357	homeo box B5 (HOXB5)	NM_002147.1	1
4417 hfcr8878	homeo box C10 (HOXC10), (=homeoprotein C10) (HOXC10))	NM_017409.1	1
4418 hfcr3032	homeobox protein mRNA, 3' end, clone HOX2.3	M30598.1	1
4419 ncr5055	homeodomain interacting protein kinase 2 (Hipk2)	NM_010433.1	1
4420 ncr2576	homeostasis endoplasmic reticulum protein (ERPROT213-21)	NM_006387.2	1
4421 seoa0980m	HOX2H	X16665	1
4422 ncrb8614	HRS gene, partial cds (=SRp40-1)	AF020307.1	1
4423 ncr6336	Hypothetical zinc finger-like protein	AAF88107.1	1
4424 ncr7661	hypoxia inducible factor (aHIF) antisense R+D2321NA sequence	U85044.1	1
4425 miob0797	hypoxia inducible gene-14	AB017708.1	1
4426 MIOA6262a	HZF2 zinc finger protein	X78925	1
4427 hfcr8826	HZF4 mRNA for zinc finger protein	X78927.1	1
4428 seob7669	HZF9 zinc finger protein	X78932.1	1
4429 FCR3620	Id1 (=U57645;S78825)	X77956	1
4430 hfcr9901	interferon regulatory factor 3 (IRF3)	NM_001571.1	1
4431 MIOB0567	Jun activation domain binding protein	U65928.1	1
4432 fcrb2098	jun dimerization protein gene	AF111167.2	1
4433 ncr4440	KIAA0744 gene product; histone deacetylase 7 (KIAA0744)	NM_014707.1	1
4434 ncrb6501	KIAA1605 (=transcription factor LZIP-alpha gene)	AB046825.1	1
4435 ncr5260	KIAA1611 protein (=ZINC FINGER PROTEIN 195)	BAB13437.1	1
4436 FCR0476	KNSL4 and MAZ(kinesin-like DNA binding protein and Myc-associated zinc finger protein)	AB017335	1
4437 fcrb0624	KRAB zinc finger protein (RITA)	AF272148.1	1
4438 miob6993	krueppel-like zinc finger protein HZF2	AF220492.1	1
4439 seob4333	leucine zipper transcription factor-like 1 (LZTFL1 gene)	AJ297351.1	1
4440 SEOB3239	LIM-domain binding factor CLIM1 (CLIM1)	AF068651.1	1
4441 FCR6634	MAR/SAR DNA binding protein (SATB1)	M97287	1
4442 FCR0646	Meis1-related protein 1b (Mrg1b)	U68384	1
4443 FCR2148	Meis1-related protein 2 (MRG2)	U68385	1
4444 MIOA2788a	MFH-1 (=X74040)	Y08223	1
4445 FCR4082	MIDA1 (=U53208 ZRF1)	D63784	1
4446 FCR6184	midline 1 fetal kidney isoform 2 (MID1)	AF041209	1
4447 ncr4136	midline 1 fetal kidney isoform 3 (MID1)	AF041210.1	1
4448 ncrb3541	monocytic leukaemia zinc finger protein (MOZ)	U47742.1	1
4449 miob6562	monokine induced by gamma interferon (MIG)	NM_002416.1	1
4450 SEOA6284	MYCL2 (low match)	J03069	1
4451 MIOA2374a	novH	X78354	1
4452 fcrb1920	NPAT gene	D89854.1	1
4453 ncr0664	nuclear cap binding protein 1, 80kD (NCBP1)	NM_002486.1	1
4454 hfcr7676	nuclear factor I (NFI)	U18761.1	1
4455 SEOB2936	nuclear factor NF45	U10323.1	1
4456 MIOA4135	nuclear factor of activated T-cells 5 (NFAT5)(ORF)=transcription factor NFAT5 isoform b (NFAT5) =AB020634 KIAA0827 protein,	NM_006599.1	1
4457 SEOA1672a	nuclear inhibitor of protein phosphatase-1 (PPP1R8)	AF064757.1	1
4458 ncr5947	nuclear protein, ataxia-telangiectasia locus (RefSeq aa 3e-31)	NP_002510.1	1
4459 SEOA6038a	OZF	X70394	1

## Figure 6A - Continued

4460 hfc8609	paired-like homeodomain transcription factor 2 (PITX2)	NM_000325.1	1
4461 BFCN0204	PEBP2a1 protein	D14636	1
4462 SOA0537	pleomorphic adenoma gene-like 1 (PLAGL1)	U81992	1
4463 FCR2341	PP15 (placental protein 15)	X07315	1
4464 ncr6335	Pur (pur-alpha)	M96684.1	1
4465 ncr6422	putative hepatic transcription factor (WBSCR14) gene	AF156673.1	1
4466 SEOA4870a	putative transCRiption factor CA150 (ORF)	AF017789	1
4467 ncr2959	putative transcription factor-like nuclear regulator (=KIAA1241)	CAC04245.1	1
4468 SEOA5214a	putative translation initiation factor (SUI1) =L26247= sui1iso1 (ORF)	NM_005801.1	1
4469 ncr1563	putative zinc finger protein (RefSeq aa 2e-30)	NP_057688.1	1
4470 ncr1948	putative zinc finger protein NY-REN-34 antigen (LOC51131)	NM_016119.1	1
4471 hfc4477	RELA (v-rel avian reticuloendotheliosis viral oncogene homolog A (nuclear factor of kappa light polypeptide gene enhancer in B-cells 3 (p65)))	CAB66119.2	1
4472 FCR3987	retinoblastoma binding protein RBQ-1	X85133	1
4473 FCR2174N	ring finger protein 1 (RING1)	Z14000	1
4474 fcrb1763	ring finger protein 5 (RNF5)	XM_057888.1	1
4475 hfc5381	Ring1 and YY1 binding protein (RYBP)	NM_012234.1	1
4476 miob4886	RING12	X62741.1	1
4477 MIOB2093	RING4	X57522.1	1
4478 fcrb2715	runt-related transcription factor 3 (RUNX3), (=PEBP2aC1 acute myeloid leukaemia )	XM_001616.3	1
4479 FCR0280	SAP18, Sin3-associated-polypeptide 18	Z97062	1
4480 ncr8880	short form transcription factor C-MAF (c-maf)	AF055376.1	1
4481 ncr9977	SIX4 gene	AB024687.1	1
4482 MIOA3080a	SMAD5 (Smad5)	AF010607	1
4483 hfc8410	small zinc finger-like protein (TIM13)	AF144700.1	1
4484 SEOA0996	small zinc finger-like protein (TIM9a)	AF150100.1	1
4485 hfc7621	SOX11	AB028641.1	1
4486 ncr8968	SOX6 (SOX6) gene	AF309471.1	1
4487 MIOA4548a	SRD-2 mutant sterol regulatory element binding protein-2 (SREBP-2)	U22818	1
4488 MIOA1293n	SRE-ZBP	Z11773	1
4489 hfc0277	SRF accessory protein 1B (SAP-1)	M85164.1	1
4490 MIOB2166	Staf50	X82200.1	1
4491 miob5098	strain C57BL/6 zinc finger protein 106 (Zfp106)	AF060246.1	1
4492 SEOB0755	survival of motor neuron protein interacting protein 1 (SIP1)	AF027150.1	1
4493 SEOA3419a	SYBL1 (contains L1 repeat)	gi4165269	1
4494 SEOA9501	TAR (HIV) RNA-binding protein 1 (TARBP1)(ORF) = U38847.1	NM_005646.1	1
4495 miob0733	TAR DNA binding protein(TARDBP) (=DKFZp564O1716)	NM_007375.1	1
4496 ncr3778	TATA binding protein associated factor (TAFII150) (=FLJ10756 fis)	AF040701.1	1
4497 fcrb0664	TATA box binding protein (TBP)-associated factor, RNA polymerase II, H, 30kD (TAF2H)	NM_006284.1	1
4498 ncr3701	TATA box binding protein (TBP)-associated factor, RNA polymerase I, A, 48kD (TAF1A)	NM_005681.1	1
4499 ncr9215	TATA box binding protein(TBP)-associated factor, RNA polymerase II, K, 18kD(RefSeq aa 7e-56)	NP_005636.1	1
4500 fcrb0956	TATA box binding protein-related factor 2 mRNA, complete cds	AF136570	1
4501 FCR1004n	TATA-binding protein (=Z22828 TFIID)	M55654	1
4502 FCR0409	Tat-SF1	U76992	1

## Figure 6A - Continued

4503 fcrb1733	TGF(beta)-induced transcription factor 2 (LOC116040)	XM_057236.1	1
4504 hfcr1053	thyroid hormone receptor coactivating protein (SMAP)	NM_006696.1	1
4505 hfcr8456	thyroid receptor interactor (TRIP8)	L40411.1	1
4506 FCR6183	thyroid receptor interactor (TRIP9)	L40407	1
4507 MIOA3674a	tissue-type pituitary Kruppel-associated box protein	AF070666	1
4508 ncrb7523	TPMT thiopurine S-methyltransferase gene	AB045146.1	1
4509 SEOA5138a	transCRipt associated with monocyte to maCRophage differentiation	X85750	1
4510 ncrb3369	transcription elongation factor B (SIII), polypeptide 1 (15kD, elongin C)(TCEB1)(= polymerase II elongation factor SIII, p15 subunit mRNA)),	NM_005648.1	1
4511 FCR5814	transCRiption elongation factor TFIIIS.h	AJ223473	1
4512 MIOA1165	transCRiption factor (TFIIB)	M76766	1
4513 ncrb7027	transcription factor 12 (RefSeq aa 1e-54)	NP_003196.1	1
4514 ncr0138	transcription factor 17(TCF17) (ORF)	NM_005649.1	1
4515 ncr2207	transcription factor BMAL2 (RefSeq aa 8e-35)	NP_064568.1	1
4516 SEOA1646a	transCRiption factor CA150 (CA150) (=AF017789)	gi5729753	1
4517 ncr0766	transcription factor Dp-2 (E2F dimerization partner 2) (TFDP2)	NM_006286.1	1
4518 BFCW0492	transCRiption factor ETR103	M62829	1
4519 miob1362	transcription factor IGHM enhancer 3, JM11 protein, JM4 protein, JM5 protein, T54 protein, JM10 protein, A4 differentiation-dependent protein, triple LIM domain protein 6, and synaptophysin genes, complete cds; and L-type calcium channel a>	AF196779.1	1
4520 miob4574	transcription factor IIC102	AF133123.1	1
4521 SEOB0547	transCRiption factor L-Sox5	AJ010604.1	1
4522 FCR2106	transCRiption factor RTEF-1 (RTEF1)	U63824	1
4523 BFCW0423	transCRiption factor SL1	L39060	1
4524 hfcr5421	transcription factor SOX8 (SOX8)	AF164104.1	1
4525 MIOA6292a	transCRiption factor TFIIA small subunit p12	U21242	1
4526 hfcr4028	transcription factor(HSA130894)	NM_017569.1	1
4527 ncrb0608	transcription factor-like 1(TCFL1)(= YL-1 mRNA for YL-1 protein(nuclear protein with DNA-binding ability))	NM_005997.1	1
4528 ncrb0744	transcription initiation factor IA protein (TIF-IA gene)	AJ272050.1	1
4529 SEOA3344a	transCRiption initiation factor TFIID subunit TAFII31	U30504	1
4530 SEOA2141	transCRiption regulator protein (BACH1)	AF026199	1
4531 FCR3525	transCRiption regulator RPD3-2B (=AF039703 histone deacetylase 3;AF005482;U75696)	U75697	1
4532 ncrb2027	transcription termination factor, RNA polymerase I (RefSeq aa 9e-58)	NP_031370.1	1
4533 BFCN0247	transCRiptional activator hSNF2a (=X72889 hbrm)	D26155	1
4534 MIOA6172a	transCRiptional co-activator CRSP33 (CRSP33)	AF104251	1
4535 seob8200	transcriptional enhancer factor (TEF1)	M63896.1	1
4536 SEOA1776a	transCRiptional intermediary factor 1 alpha	AF119042	1
4537 SEOB1026	transCRiptional repressor (CTCF)	U25435.1	1
4538 ncrb5614	transcription-associated zinc ribbon protein (ZNRD1)	AF024617.1	1
4539 FCR7042	transducin beta-2 subunit (=M16538 signal-transducing guanine nucleotide-binding regulatory (G) protein beta subunit)	M36429	1
4540 mioa7775a	ubiquitin (UBN1) gene, exons 1b and 2	AF108454.1	1
4541 ncrb3056	WD repeat domain 6 (WDR6)	NM_018031.2	1
4542 MIOA1483m	X2 box repressor	U22680	1
4543 seob6522	X28 region near ALD locus containing dual specificity phosphatase 9 (DUSP9), ribosomal protein L18a (RPL18a), Ca2 /Calmodulin-dependent protein kinase I (CAMKI), creatine transporter (CRTR), CDM protein (CDM), adrenoleukodystrophy protein >	U52111.2	1
4544 FCR4224	XAP-4 GDI (=X79353)	X79353	1

Figure 6A - Continued

4545 hfcr2844	YSK1	D63780.1	1
4546 hfcr7831	yz99g12.r1 Soares melanocyte 2NbHM cDNA clone IMAGE:291238 5'	W03533.1	1
4547 hfcr1848	ZFX transcription activator	X59739.1	1
4548 seob2601	ZHX1 protein (ZHX1)	AF195766.1	1
4549 SEOA0302	zinc finger 2 (ZNF2 gene)	X60152.1	1
4550 miob4346	zinc finger 5 protein	D89859.1	1
4551 SEOA0137	zinc finger homeobox protein ZHX1	AF106862.1	1
4552 miob4359	zinc finger homeodomain protein	U12170.1	1
4553 FCR1369	zinc finger protein (HZF6) (non-exact, 66%)	AF027513	1
4554 hfcr0130	zinc finger protein (LOC51042)	NM_015871.1	1
4555 FCR5100	zinc finger protein (low match)	X78933	1
4556 ncr4050	zinc finger protein (ZAN75)	NM_018759.1	1
4557 ncrb8250	zinc finger protein (ZNF139)mRNA	U09848.1	1
4558 SEOA3582a	zinc finger protein (ZNF141)	L15309	1
4559 SEOA1002	zinc finger protein (ZNF155)	U09852	1
4560 FCR3163	zinc finger protein (ZNF741)	U28282	1
4561 miob6713	zinc finger protein (ZNF-U69274)	NM_014415.1	1
4562 ncr5207	zinc finger protein 10 (KOX 1) (RefSeq aa 3e-47)	NP_003410.1	1
4563 miob6768	zinc finger protein 124 (HZF-16) (ZNF124)	NM_003431.1	1
4564 SEOA6638a	ZINC FINGER PROTEIN 136 (61% aa)	spP52737	1
4565 ncr1031	zinc finger protein 136 (clone pHZ-20)(RefSeq aa 3e-30)	NP_003428.1	1
4566 ncr8867	zinc finger protein 146 (ZNF146)	NM_007145.1	1
4567 ncr4656	zinc finger protein 161 (RefSeq aa 1e-74)	NP_009077.1	1
4568 ncr5659	zinc finger protein 162 (ZNF162)	NM_004630.1	1
4569 SEOA5799	ZINC FINGER PROTEIN 177 (69% aa)	spQ13360	1
4570 MIOB2841	zinc finger protein 195 (ZNF195)	gi6005973	1
4571 miob4160	zinc finger protein 198 (ZNF198)	NM_003453.1	1
4572 ncr6871	zinc finger protein 202(ZNF202)	NM_003455.1	1
4573 miob6438	zinc finger protein 223 (ZNF223)	NM_013361.1	1
4574 ncr8794	zinc finger protein 232 (RefSeq aa 2e-68)	NP_055334.1	1
4575 ncr2874	zinc finger protein 258 (ZNF258)	NM_007167.1	1
4576 seoa7032	zinc finger protein 268 (ZNF268) mRNA, complete cds /cds=(330,3173) /gb=AF317549 /gi=12584158 /ug=Hs.183291 /len=3826	Hs.183291	1
4577 SEOA9566	zinc finger protein 281 (ZNF281) (ORF)	NM_012482.1	1
4578 mioa7876	zinc finger protein 288 (ZNF288), mRNA /cds=(488,2494) /gb=NM_015642 /gi=7661651 /ug=Hs.159456 /len=2829	Hs.159456	1
4579 hfcr4167	zinc finger protein 297 (ZNF297)	NM_005453.2	1
4580 miob4860	zinc finger protein 41 (ZNF41)	M92443.1	1
4581 FCR0278	ZINC FINGER PROTEIN 83 (ZINC FINGER PROTEIN HPF1)	spP51522	1
4582 ncr7345	zinc finger protein dp	AF153201.1	1
4583 SEOA6106a	zinc finger protein EZNF (EZNF)	AF116030	1
4584 MIOA8590	zinc finger protein FOG-2	AF119334.1	1
4585 ncrb8608	zinc finger protein homologous to Zfp-36 in mouse (ZFP36)	NM_003407.1	1
4586 hfcr7805	zinc finger protein mRNA	Y14443.1	1
4587 hfcr5919	zinc finger protein NY-REN-21 antigen	AF155100.1	1
4588 ncr4815	zinc finger protein SBZF2 mRNA, complete cds	AF139460.1	1
4589 MIOA1375a	zinc finger protein ZNF131	U09410	1
4590 SEOB1848	zinc finger protein ZNF140	U09368.1	1
4591 ncr3511	zinc finger protein(ZF5128)	NM_014347.1	1
4592 MIOA4883a	zinc finger protein, C3H-type =AF061261 zinc finger protein (MBLL) mRNA,	NM_005757.1	1
4593 seob8297	zinc finger protein, HZF2	X78925.1	1
4594 ncr5472	zinc finger protein219	NM_016423.1	1

## Figure 6A - Continued

4595 FCR5369	zinc finger RNA binding protein (Zfr)	AF071059.1	1
4596 FCR1169	zinc-finger protein (ZNF76)	M91592	1
4597 SEOA3515a	zinc-finger protein PFM1, PR-domain	AF144757.1	1
4598 ncrb7844	Zn-15 related zinc finger protein (rlf) mRNA, complete cds	U22377.1	1
4599 seob7595	ZNF135-like protein	AF265236.1	1
4600 MIOA2158a	ZNF258 (ZNF258)	AF055470	1
4601 fcr0935	ZNF81 (non-exact)	X68011	1
4602 fcrb2541	bromodomain-containing 7 (BRD7), mRNA	NM_013263.1	1
4603 FCR3282	218 kD Mi-2 protein (= proliferating cell nucleolar protein P120)	X86691	1
4604 MIOA8665	cell-line THP-1 GTP cyclohydrolase I	U66095.1	1
4605 mioa9719	cleavage stimulation factor, 3' pre-RNA, subunit 3, 77kD (CSTF3)	NM_001326.1	1
4606 FCR2860	CPSF (cleavage and polyadenylation specificity factor) 73 kDa subunit	X95906	1
4607 FCR1305	CTD-binding SR-like protein rA8	U49055	1
4608 ncr2930	C-terminal binding protein 2 (CTBP2)	NM_001329.1	1
4609 hfcr2547	dCMP deaminase (DCTD)	NM_001921.1	1
4610 fcrb0993	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 19 (Dbp5, yeast, homolog) (DDX19), mRNA	NM_007242.1	1
4611 mioa9962	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 6 (RNA helicase, 54kD) (DDX6) (ORF)	NM_004397.1	1
4612 hfcr0957	DEAD-box protein abstrakt(ABS), (ORF)	NM_016222.1	1
4613 ncrb6836	double stranded RNA activated protein kinase (PKR) gene, intron 1	AF167458.1	1
4614 ncrb6031	double-stranded RNA binding nuclear protein DRBP76 delta (ILF3 gene)	AJ271746.1	1
4615 ncrb6720	endoplasmic reticulum luminal protein (ERP28)	NM_006817.1	1
4616 hfcr0236	EWS gene	AB016207.1	1
4617 ncr1699	glutamyl-prolyl tRNA synthetase; proline tRNA ligase; glutamate tRNA ligase (RefSeq aa 1e-87)	NP_004437.1	1
4618 fcrb1312	heterogeneous nuclear ribonucleoprotein A0 (HNRPA0)	NM_006805.1	1
4619 SEOA1071a	heterogeneous nuclear ribonucleoprotein L (HNRPL)	X16135	1
4620 FCR7405	hnRNA-binding protein M4 (M4 protein)	S35532	1
4621 seob7082	hnRNP-E1	X78137.1	1
4622 SEOA1551	LRR FLI-I interacting protein 2 (LRRFIP2)	AF115509.1	1
4623 miob0644	nuclear matrix protein p84	NM_005131.1	1
4624 hfcr0675	nuclear protein (mdm-1)	M20823.1	1
4625 ncr2994	nuclear protein double minute 1	AF267851.1	1
4626 SEOA0898	nuclear protein, NP220	D83032	1
4627 ncrb4677	ORF2 consensus sequence encoding endonuclease and reverse transcriptase minus RNaseH	AAB41224.1	1
4628 ncr1282	partial mRNA for double stranded RNA binding nuclear protein ILF3	AJ271747.1	1
4629 ncrb8464	poly(A)-binding protein, cytoplasmic 4 (inducible form) (PABPC4)	NM_003819.2	1
4630 FCR0474	pur alpha extended	X91648	1
4631 FCR4414	ribonucleoprotein SS-B/La (=J04205)	X13697	1
4632 ncr0179	RNA 3'-terminal phosphate cyclase (RPC) mRNA	NM_003729.1	1
4633 HFcr3160	RNA binding motif protein 4 (RBM4)	gi4506444	1
4634 MIOA8866	RNA binding motif protein 9 (isoform 1) (=AL009266 hypothetical protein)	CAB63054.1	1
4635 ncr3827	RNA binding motif protein, X chromosome (RBMX)	NM_002139.1	1
4636 MIOB1523	RNA cyclase homolog	AF067172.1	1
4637 hfcr9239	RNA helicase (LOC51139)(= KIAA0801)	NM_016130.1	1
4638 SEOB0763	RNA helicase (RIG-I)	AF038963.1	1
4639 MIOA7212a	RNA helicase HDB/DICE1	AF141326.1	1

## Figure 6A - Continued

4640	SEOA2936a	RNA helicase-related protein	AF083255	1
4641	fcrb1789	RNA helicase-related protein (RNAHP)	XM_044384.1	1
4642	fcrb0213	RNA-binding protein (autoantigenic) (RALY)	NM_016732.1	1
4643	hfcr2524	RRM RNA binding protein Gry-rbp (GRY-RBP)	AF037448.1	1
4644	ncrb7945	SIR2 (silent mating type information regulation 2, <i>S.cerevisiae</i> , homolog)-like(SIR2L)	NM_012237.1	1
4645	ncr9599	sir2-like 1 (SIRT1)	NM_012238.2	1
4646	hfcr2984	small nuclear ribonucleoprotein D3 polypeptide (18kD) (SNRPD3)	NM_004175.1	1
4647	seob4625	small nuclear rna (snrna) gene (clone pu1-6) and flanks	K00529.1	1
4648	SEOA5637a	small nuclear RNA activating complex, polypeptide 1, 43kD (SNAPC1) (=Z47542)	4507100	1
4649	SEOA2391a	Smg GDS-associated protein SMAP	U59919	1
4650	MIOA6734a	SnRNP assembly defective 1 homologue (SAD1) (=AF132955 CGI-21)	gi5730024	1
4651	ncr7102	SNRPN	U81001.1	1
4652	SEOA0422	SOF1 PROTEIN	spP33750	1
4653	MIOA1944a	SPF31 (SPF31)	AF083190	1
4654	seob4693	splicing factor (45kD) (SPF45) (ORF)	NM_006450.1	1
4655	MIOA9067	splicing factor 30, survival of motor neuron-related (SPF30) (ORF)	NM_005871.1	1
4656	fcrb2197	splicing factor arginine/serine-rich 5 (SFRS5)	XM_031133.1	1
4657	hfcr9323	splicing factor Prp8	AF092565.1	1
4658	HFCR3183	splicing factor SC35	M90104.1	1
4659	MIOB2129	splicing factor SRp40-3 (SRp40)	U30827.1	1
4660	seob4001	splicing factor SRp55-1 (SRp-55)	U30883.1	1
4661	mioa7701a	splicing factor, arginine/serine-rich 2, interacting protein (SFRS2IP), mRNA /cds=(1210,4656) /gb=NM_004719 /gi=4759171 /ug=Hs.51957 /len=5307	Hs.51957	1
4662	FCR0770N	SPLICING FACTOR, ARGININE/SERINE-RICH 8 (SUPPRESSOR OF WHITE APRICOT PROTEIN HOMOLOG)	spQ12872	1
4663	ncr5046	splicing factor, arginine/serine-rich2, interacting protein (RefSeq aa 2e-82)	NP_004710.1	1
4664	FCR7308	splicing factor, SF1-HL1 isoform	Y08765	1
4665	hfcr9785	SRp25 nuclear protein(LOC51329)	NM_016638.1	1
4666	ncr3971	SRp46 splicing factor retropseudogene	AF031166.1	1
4667	hfcr3043	SR-related protein LD2 (=RNA-binding protein S1,serine-rich domain (RNPS1))	AF247662.1	1
4668	ncrb0864	staufer (Drosophila, RNA-binding protein) homolog 2 (STAU2)(= 39k3 protein)	NM_014393.1	1
4669	MIOA8289	staufer protein (STAU)	AF061940	1
4670	seob6467	step II splicing factor SLU7 (SLU7) (ORF)	NM_006425.1	1
4671	miob6472	SYNCRIP	AB035725.1	1
4672	fcrb1320	TIA1 cytotoxic granule-associated RNA-binding protein-like 1 (TIAL1)	NM_003252.1	1
4673	SEOB1466	tRNA-Lys gene (low match:nt 1e-10)	U00939.1	1
4674	FCR2542N	U1 small nuclear ribonucleoprotein 70 kd protein	M22636	1
4675	SEOB2067	u1B-IC/SNRPN transCRipt	L80005.1	1
4676	ncr2574	U2 small nuclear RNA gene	K03022.1	1
4677	FCR2607	U2 snRNP auxiliary factor small subunit	M96982	1
4678	MIOA7299	U5 snRNP-specific protein, 116 kD (U5-116KD) (=D21163 KIAA0031)	gi4759279	1
4679	seob7176	U50' snoRNA and U50 snoRNA	AB017710.1	1
4680	seob4191	U6 snRNA-associated Sm-like protein LSm6	AF182292.1	1
4681	fcrb1069	U6 snRNA-associated Sm-like protein LSm7 (LOC51690), mRNA	NM_016199.1	1



## Figure 6A - Continued

4682	SEOA1734a	U6 snRNA-associated Sm-like protein LSm8	AF182294.1	1
4683	ncr4912	pre-mRNA splicing factor (PRP18)	NM_003675.1	1
4684	FCR0272	RNA polymerase II 14.5 kDa subunit	Z23102	1
4685	MIOA4064a	RNA polymerase subunit hRPB 33	J05448	1
4686	fcr0138	rsly1p	U57687	1
4687	miob0496	SC35-interacting protein 1 (SRRP129)(= splicing factor Sip1)	NM_004719.1	1
4688	seoa7687a	TAF13 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 18 kD, clone MGC:22425 IMAGE:4289451, mRNA, complete cds	BC017821.1	1
4689	seoa7020	TAF7 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 55 kD (TAF7), mRNA /cds=(740,1789) /gb=NM_005642 /gi=14717406 /ug=Hs.155188 /len=2310	Hs.155188	1
4690	hfc1760	BAT2-related gene	AL096857.1	1
4691	SEOA7608a	BC-2 protein	AF042384	1
4692	ncrb0045	chitinase 3-like 1(cartilage glycoprotein-39) (CHI3L1)	NM_001276.1	1
4693	ncr1055	Ig superfamily protein (Z39IG)	NM_007268.1	1
4694	fcrb2502	lymphocyte antigen 6 complex, locus E (LY6E), mRNA	XM_051298.1	1
4695	hfc16651	natural killer cell enhancing factor (NKEFB)	L19185.1	1
4696	SEOA0462	75-kD autoantigen (PM-Sc1)	M58460	1
4697	MIOA3527a	activity and neurotransmitter-induced early gene 11 (ania-11)	AF050663	1
4698	hfc17076	alpha-2-macroglobulin receptor-associated protein	M63959.1	1
4699	FCR5392	B-cell receptor associated protein (hBAP)	U72511	1
4700	MIOA5812a	B-cell receptor-associated protein BAP29	AF126020	1
4701	FCR0787	cartilage associated protein	X97607	1
4702	hfc10517	cartilage associated protein(CRTAP)	NM_006371.1	1
4703	ncr1218	cbl-b	U26710.1	1
4704	BFC50261	chromosome 1 immunoglobulin V (K)I	X17278	1
4705	SEOA1571	early activation antigen CD69	L07555	1
4706	miob0939	early endosome antigen 1, 162kD (EEA1)	NM_003566.1	1
4707	hfc18036	erythroblast macrophage protein EMP	AF084928.1	1
4708	ncrb0328	HLA CLASS I HISTOCOMPATIBILITY ANTIGEN, ALPHA CHAIN F PRECURSOR	P30511	1
4709	miob2879	HLA class I locus C heavy chain	X58536.1	1
4710	FCR5937	HLA class III region (NOTCH4 gene)	U89336	1
4711	ncr7082	HLA-A gene, HLA-A*0205 allele	L76290.1	1
4712	hfc15988	HLA-B associated transcript-2 (D6S51E) =( MSH55 gene)	NM_004638.1	1
4713	mioa0737m	HLA-B35 mRNA (ORF)	Z22651	1
4714	ncrb2092	hla-dr heavy chain cooh terminus	J00200.1	1
4715	MIOA5165a	HMBA-inducible (HIS1)=AB021179 , HEXIM1 protein	NM_006460.1	1
4716	hfc11952	immunoglobulin (CD79A) binding protein 1 (IGBP1)	NM_001551.1	1
4717	seob4480	immunoglobulin G Fc receptor (ORF)	J03619.1	1
4718	SEOA2639	immunoglobulin superfamily containing leucine-rich repeat (ISLR)	AB024537.1	1
4719	hfc15404	immunoglobulin superfamily member protein (BL2)	AF132811.1	1
4720	miob5010	immunoglobulin superfamily, member 6 (IGSF6) (=AJ223183.1 DORA)	gi5031672	1
4721	ncrb6762	imogen 38 (RefSeq aa 1e-60)	NP_005821.1	1
4722	MIOA0869a	leukocyte common antigen (T200)	Y00638	1
4723	SEOA2970a	major histocompatibility class II antigen gamma chain	K01144	1
4724	ncrb5535	major histocompatibility complex, class I, E (HLA-E)	NM_005516.1	1
4725	SEOA4683a	major Yo paraneoplastic antigen(CDR2)	M63256	1
4726	ncr5192	male-enhanced antigen(MEA)	NM_014623.1	1
4727	ncr7952	MHC binding protein-2	AAA36202.1	1

## Figure 6A - Continued

4728 FCR5905	MHC class I promoter binding protein (=AF120161 retinoic X receptor beta (RXRB))	X65463	1
4729 SEOA4109a	miCRoglobulin (ORF){C to A point mutation at nucleotide 121}	S82300	1
4730 MIOA4817a	mutant (Daudi) beta2 - miCRoglobulin (ORF)	X07621	1
4731 FCR0951	PA28 gamma subunit (Psme3)	AB007139	1
4732 seob5147	SART-1	AB006198.1	1
4733 seob4020	strain ECOR 24 rrlB operon, complete sequence	AF053967	1
4734 ncrb4439	SWAP-70 homolog	AF134894.1	1
4735 miob2897	T-cell antigen receptor alpha-chain (TCR-ATF2)	M77167.1	1
4736 SEOA3415a	T-cell nuclear receptor NOT (Nurr1)	AB019433.1	1
4737 SEOB1513	T-cell receptor alpha chain-c6.1A fusion protein (c6.1A-TCRC) gene	S72931.1	1
4738 ncrb1186	T-cell receptor alpha delta locus	AF283991.1	1
4739 miob0986	T-cell receptor alpha delta locus from bases 1 to 250529 (section 1 of 5) of the Complete Nucleotide Sequence	AE000658.1	1
4740 ncr7066	TJ6 protein (RefSeq aa 8e-56)	NP_036595.1	1
4741 ncrb6261	180 kDa transmembrane PLA2 receptor	U17033.1	1
4742 SEOA1802a	adult T-cell leukemia derived factor	E01915	1
4743 FCR6228	BAG-family molecular chaperone regulator-3	AF095193	1
4744 MIOA2722a	BAG-family molecular chaperone regulator-5 (=AB020680 KIAA0873)	AF095195.2	1
4745 SEOA5743a	beta-defensin-1,2	U50931	1
4746 FCR4746	breast epithelial antigen BA46	U58516	1
4747 ncr8326	BTK-binding protein mRNA, complete cds	AF235049.1	1
4748 ncr3948	cellular repressor of E1A-stimulated genes (CREG)	NM_003851.1	1
4749 MIOA2395a	centromere autoantigen C (CENPC)	M95724	1
4750 ncr1590	colon cancer antigen NY-CO-45 mRNA, partial cds	AF039442.1	1
4751 ncr3141	DARC	X85785.1	1
4752 miob6870	defensin, alpha 3, neutrophil-specific (DEFA3) (=PRO2832)	NM_005217.1	1
4753 ncrb8817	heat shock 105kD (HSP105B)	NM_006644.1	1
4754 FCR3269	HEAT SHOCK COGNATE 71 KD PROTEIN	spP11142	1
4755 FCR4876	heat shock factor 2 (HSF2)	M65217	1
4756 SEOA6494a	heat shock protein (=AF085359.1 HSPC030)	AF170920	1
4757 hfcr0923	heat shock protein (HSP21) mRNA, chloroplast gene encoding chloroplast protein, complete cds	U66300.1	1
4758 BFCW0024	Heat shock protein 70 testis variant (=M59829 MHC class III HSP70-HOM (HLA))	D85730	1
4759 seob7030	heat shock protein apg-2	AB023420.1	1
4760 SEOA4829a	heat shock protein hsp40 =U41290 DNAJ homolog (DNAJW) (ORF)	U40992	1
4761 SEOA8776	HEAT SHOCK PROTEIN, MITOCHONDRIAL 10 KDA D12(HSP10) (10 KDA CHAPERONIN) (CPN10)	spQ04984	1
4762 mioa0511m	heat shock protein= HSPA2= L26336= U10284	U56725	1
4763 hfcr5023	hepatocellular carcinoma-associated antigen 56A (HCA56A)	AF262403.1	1
4764 seoa8052	hepatocellular carcinoma-associated antigen 64 (HCA64) mRNA, complete cds /cds=(79,666) /gb=AF257175 /gi=7739705 /ug=Hs.314977 /len=2125	Hs.314977	1
4765 miob1830	HSP105 alpha (=AF039695.1 antigen NY-CO-25)	AB003334.1	1
4766 ncrb6037	HSP27	AB020027.1	1
4767 FCR4897	mixed lineage kinase (MLK-3) (=U07747 sprk)	L32976	1
4768 FCR2952	MSJ-1	AB014888	1
4769 FCR0788	NA14 protein	Z96932	1
4770 mioa9735	novel T-cell activation protein	X94232.1	1

## Figure 6A - Continued

4771 BFCS0042	p38gamma MAP Kinase (=Y10487 stress activated protein kinase-3)	U66243	1
4772 miob4058	platelet-endothelial tetraspan antigen 3	U14650.1	1
4773 hfcr3587	PML-1	M79462.1	1
4774 ncr9355	polymyositis/scleroderma autoantigen 1(75kD) (RefSeq aa 4e-86)	NP_005024.1	1
4775 fcrb1677	pre-B cell stimulating factor homologue (SDF1b)	L36033.1	1
4776 SEOB2950	PX19 protein	AF112203.1	1
4777 hfcr6932	renal cell carcinoma associated antigen G250	AJ010588.1	1
4778 hfcr0737	rheumatoid arthritis related antigen RA-A47	AB044781.1	1
4779 hfcr4170	stannin (=DKFZp761P2414)	AF070673.1	1
4780 ncr6648	Ste-20 related kinase (RefSeq aa 2e-41)	NP_037365.1	1
4781 fCR0832	Ste20-like kinase	X99325	1
4782 seob5508	stress 70 protein chaperone, microsome-associated, 60kD (STCH)	NM_006948.1	1
4783 ncr0864	stromal antigen 3 (STAG3)	NM_012447.1	1
4784 ncr6242	sulfotransferase 1C2 (SULT1C2) gene, complete cds	AF186263.1	1
4785 hfcr9347	TP53 target gene (TP53TG1)	NM_007233.1	1
4786 FCR2897	WP34 (phosphorylated lymphocyte differentiation and activation antigen) (=S67783)	X55188	1
4787 ncr2408	ATPase inhibitor precursor	NP_057395.1	1
4788 BFCS0390	BAI-associated protein 3 (=AB018277 hypothetical protein (KIAA0734))	AB017111	1
4789 ncrb5060	beta-site APP-cleaving enzyme (RefSeq aa 5e-88)	NP_036236.1	1
4790 fcrb1399	interferon induced transmembrane protein 3 (1-8U) (IFITM3)	NM_021034.1	1
4791 ncr9199	INTERFERON-INDUCED TRANSMEMBRANE PROTEIN 3 (INTERFERON-INDUCIBLE PROTEIN 1-8U)	spQ01628	1
4792 MIOA4674	MEMBRANE PROTEIN C21ORF4 17.9 KD	P56557	1
4793 seoa0495m	trans-Golgi p230	U41740	1
4794 seob6064	Adaptor protein containing pH domain, PTB domain and leucine zipper motif (APPL)	NM_012096.1	1
4795 hfcr1731	adaptor-related protein complex 1, gamma 2 subunit (G2AD)	NM_003917.1	1
4796 MIOA1701a	apoferritin H (=M11146)	X03488	1
4797 MIOA5059a	BIOTIN CARBOXYL CARRIER PROTEIN OF METHYLMALONYL-COA CARBOXYL-TRANSFERASE(TRANSCARBOXYLASE, 1.3S SUBUNIT)	P02904	1
4798 SEOA5778	cationic amino acid transporter-2A (ATRC2)	U76368	1
4799 ncr1007	coatomer protein complex, subunit beta (COPB) (=DKFZp761K102)	NM_016451.1	1
4800 hfcr6394	coatomer protein complex, subunit epsilon (COPE)	NM_007263.1	1
4801 ncrb6557	coatomer protein complex, subunit gamma 2 (RefSeq aa 2e-67)	NP_036265.1	1
4802 seob5491	constitutively expressed serum amyloid A protein (SAA4) gene	L05920.1	1
4803 fcrb1019	COPZ2 for nonclathrin coat protein zeta-COP (LOC51226)	NM_016429.1	1
4804 ncr9123	corin (RefSeq aa 7e-45)	NP_006578.1	1
4805 seob8104	DUTT1 (chromosome 3)	Z95705.1	1
4806 MIOA3084a	EGF repeat transmembrane protein	U57368	1
4807 hfcr5959	ENIGMA protein	AF265209.1	1
4808 SEOA9828	epithelial membrane protein 2 (EMP2)	NM_001424.1	1
4809 FCR0108	erythrocyte adducin alpha subunit	X58141	1
4810 hfcr9371	ferroportin 1; iron regulated gene 1 (FPN1)(= SLC11A3)	NM_014585.1	1
4811 ncrb6320	golgi membrane protein GP73(LOC51280)	NM_016548.1	1

## Figure 6A - Continued

4812 ncr5767	Golgi membrane protein type II (RefSeq aa 4e-35)	NP_055313.1	1
4813 fcrb0097	Ke4 gene, mouse, human homolog of (D6S2244E), = D82060 membrane protein with histidine rich charge clusters (ORF)	NM_006979.1	1
4814 hfcr2693	LIM domain kinase 2 (LIMK2)	NM_005569.2	1
4815 fcrb1815	lysosomal apyrase-like 1 (LYSAL1)	XM_040572.1	1
4816 hfcr9814	membrane interacting protein of RGS16 (MIR16)	NM_016641.1	1
4817 MIOA6999a	membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase, CALLA, CD10) (MME) =J03779 =lymphoblastic leukemia antigen (CALLA)	NM_000902.1	1
4818 miob3942	mouse SKD1 homolog (SKD1)	NM_004869.1	1
4819 hfcr9241	multispanning nuclear envelope membrane protein nurim (NRM29)	AF143676.1	1
4820 fcrb2569	myoglobin (MB), mRNA	NM_005368.1	1
4821 fcrb2200	myo-inositol monophosphatase A3 (IMPA3)	AY032885.1	1
4822 SEOA9086	N-ethylmaleimide-sensitive factor (NSF)	AF135168.1	1
4823 MIOA8396	neuronal membrane glycoprotein M6b	U45955	1
4824 seob8078	PEX13	AB022192.1	1
4825 ncrb8821	phosphate carrier precursor isoform 1a;phosphate carrier, mitochondrial precursor (RefSeq aa 3e-36)	NP_005879.1	1
4826 MIOA8946	placental protein 17b1 (PP17)(=cargo selection protein (mannose 6 phosphate receptor binding protein) (TIP47)	AF055574.1	1
4827 seoa4934a	progesterone induced protein (DD5), mRNA /cds=(33,8432) /gb=NM_015902 /gi=15147336 /ug=Hs.278428 /len=8838	Hs.278428	1
4828 seob6576	putative membrane protein, complete cds	AB020980.1	1
4829 ncr3464	putative heme-binding protein (SOUL)	NM_014320.1	1
4830 hfcr6677	putative integral membrane transporter (LC27)	NM_018407.1	1
4831 fCR0983	putative transmembrane receptor (frizzled 4)	U43317	1
4832 hfcr7393	secretory granule neuroendocrine protein 1 (7B2 protein) (SGNE1)	NM_003020.1	1
4833 MIOA1953a	seven transmembrane segment receptor	M99293	1
4834 fcrb1503	supervillin (SVIL)	XM_030476.2	1
4835 ncr8118	tetraspan 3; Tspan-3 (RefSeq aa 8e-51)	NP_005715.1	1
4836 miob4475	tetraspan NET-1	AF065388.1	1
4837 hfcr1163	tetraspan NET-6 protein(NET-6), mRNA	NM_014399.1	1
4838 seob7047	tetraspanin TM4-D	AF133426.1	1
4839 fcrb0193	translocase of inner mitochondrial membrane 10 (yeast) homolog (TIMM10)	NM_012456.1	1
4840 fcrb2059	translocase of inner mitochondrial membrane 8 (yeast) homolog B (TIMM8B)	XM_041384.1	1
4841 SEOA9931	transmembrane 4 superfamily protein (SAS) (ORF)	U01160	1
4842 SEOB2039	transmembrane 7 superfamily member 1 (upregulated in kidney) (TM7SF1)	gi4507544	1
4843 ncr2182	transmembrane GTPase	U95822.1	1
4844 mioa7654a	transmembrane protein 4 (TMEM4), mRNA /cds=(144,692) /gb=NM_014255 /gi=7657175 /ug=Hs.8752 /len=814	Hs.8752	1
4845 FCR7114	transmembrane protein CD99 type II	U82164	1
4846 SEOA3949a	transmembrane protein with EGF-like and two follistatin-like domains 1 (TMEFF1)	U19878	1
4847 ncr1567	transmembrane proteolipid (HSPC224)	NM_016951.2	1
4848 mioa7738a	transmembrane trafficking protein (TMP21), mRNA /cds=(11,670) /gb=NM_006827 /gi=5803200 /ug=Hs.74137 /len=1302	Hs.74137	1
4849 hfcr7095	VAMP (vesicle-associated membrane protein)-associated protein B and C (VAPB)	NM_004738.1	1

## Figure 6A - Continued

4850 hfc7402	mutL (E. coli) homolog 3 (MLH3)	NM_014381.1	1
4851 FCR5081	mutY homolog (hMYH)	U63329	1
4852 ncr3164	alanyl-tRNA synthetase (AARS)	NM_001605.1	1
4853 hfc8478	damage-specific DNA binding protein 2 (48kD) (DDB2)	NM_000107.1	1
4854 SEOA0737n	DNA recombination and repair protein (MRE11B)	AF022778	1
4855 SEOA6203a	DNA repair protein XRCC4	U40622	1
4856 ncrb8248	DNA topoisomerase gene type I, exon 8	M60694.1	1
4857 FCR5288	DNA topoisomerase II binding protein	AB019397	1
4858 BFCN0116	excision repair gene ERCC-1	X07415	1
4859 hfc3674	Helicase (KIAA0054)	NM_014877.1	1
4860 SEOA0931	HHR23A protein	D21235	1
4861 ncr6459	KIAA0054 gene product; Helicase (RefSeq aa 1e-50)	NP_055692.1	1
4862 hfc3374	nucleolar RNA-helicase (noH61 gene)	AJ131712.1	1
4863 ncr4296	putative RNA helicase, 3' end	AJ223948.1	1
4864 ncr1811	RAD50 (S. cerevisiae) homolog (RefSeq aa 2e-36)	NP_005723.1	1
4865 MIOB2569	RAD50-2 protein (RAD50)	AF057299.1	1
4866 MIOA2851a	Rad51-interacting protein (60% aa)	AF006259	1
4867 hfc9290	RAD9 (S. pombe)(RAD9)=(cell cycle checkpoint control protein)	NM_004584.1	1
4868 hfc6783	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3 (SMARCD3)	NM_003078.1	1
4869 hfc6663	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1 (SMARCE1) (=BAF57)	NM_003079.1	1
4870 SEOA6734	T-COMPLEX PROTEIN 1, EPSILON SUBUNIT (TCP-1-EPSILON) (CCT-EPSILON) (KIAA0098)	spP48643	1
4871 MIOA3160a	T-COMPLEX PROTEIN 1, THETA SUBUNIT (TCP-1-THETA) (CCT-THETA) (KIAA0002)	spP50990	1
4872 ncrb6282	transketolase-like 1 (TKTL1)	NM_012253.1	1
4873 ncrb7675	xeroderma pigmentosum complementation group A (XPA)	NM_000380.1	1
4874 miob3249	adenylate kinase 2 (AK2),transcript variant AK2A, nuclear gene encoding mitochondrial protein, mRNA	NM_001625.1	1
4875 fCR0657	carbonic anhydrase III	M29452	1
4876 hfc1900	carbonic anhydrase XII (CA12)	NM_001218.1	1
4877 MIOA5355a	ceruloplasmin, exon 10 (ORF)	D45037	1
4878 MIOA2224a	coagulation factor VIII	AF062515	1
4879 SEOB1787	complement C1q A chain precursor	AF135157.1	1
4880 ncr0644	complement component 2 (RefSeq aa 7e-80)	NP_000054.1	1
4881 ncrb5699	complement component 3 precursor (RefSeq aa 9e-33)	NP_000055.1	1
4882 ncr1299	complement component 3a receptor 1 (RefSeq aa 2e-56)	NP_004045.1	1
4883 MIOA2185a	complement decay-accelerating factor (DAF) (=M31516)	M15799	1
4884 hfc9678	cytochrome P450 21-hydroxylase (CYP21) gene, partial cds; TNX pseudogene ,complete sequence; and RP2 pseudogene, partial sequence (=XA (XA) gene )(= 21-hydroxylase (P-450(C21)) B gene)	AF077974.1	1
4885 FCR2750	cytochrome P450 3A9	U46118	1
4886 ncr9572	cytochrome P450 monooxygenase (LOC57404)	NM_020674.1	1
4887 ncrb5514	cytochrome P450, subfamily IVA, polypeptide 11; CYP4A11 (RefSeq aa 3e-48)	NP_000769.1	1
4888 ncr4552	epoxide hydrolase 2, cytoplasmic (EPHX2)	NM_001979.1	1
4889 mioa7639a	glutathione S-transferase A4 (GSTA4)	NM_001512.1	1
4890 ncrb4976	glutathione S-transferase theta 2 (GSTT2) (GSTT1) genes	AF240786.1	1

## Figure 6A - Continued

4891 miob6113	glutathione S-transferase= (MICROSOMAL GST-1)=P10620	J03746.1	1
4892 FCR7019	glutathione synthetase	U34683	1
4893 FCR7415	glutathione transferase M2 (GSTM2)	M63509	1
4894 SOA0065	gpx1 glutathione peroxidase (=Y00433)	X13709	1
4895 FCR0633	iron-responsive element-binding protein/iron regulatory protein 1 (IRE-BP1/IRP1)	M58510	1
4896 FCR3878	lactoferrin BTLF3	L24753	1
4897 MIOA8851	light chain of factor I	CAA68418.1	1
4898 ncrb8475	metallothionein 2A; MT-II (RefSeq aa 8e-30)	NP_005944.1	1
4899 miob0795	MHC class II DR subtype Dw12	M16086.1	1
4900 SEOB1399	MHC class II HLA-DR7-associated glycoprotein beta-chain	M16941.1	1
4901 SEOA3472a	MHC class II HLA-DR-beta-1 (HLA-DRB1)	M33600	1
4902 miob5938	MHC HLA-Dw12 DQ-beta chain	M57650.1	1
4903 fcrb0607	MHC leukocyte antigen (HLA-A) gene, HLA-A*2402 allele	L47206.1	1
4904 FCR7146	MTA1 like1	AB016591.1	1
4905 MIOA4704	MTG8-like protein(MTGR1) gene	AF076461.1	1
4906 hfcr2599	MTH1b (p22), MTH1c (p21), MTH1d (p18)	AB025239.1	1
4907 fcrb0354	pentaxin-related gene rapidly induced by IL-1 beta (PTX3)	NM_002852.1	1
4908 ncrb2839	peroxiredoxin 3; thioredoxin-dependent peroxide reductase precursor (RefSeq aa 1e-92)	NP_006784.1	1
4909 ncrb3228	PHEX gene	Y10196.1	1
4910 miob5810	prothrombin (F2) gene (Alu and KpnI repeats)	M17262.1	1
4911 ncrb0907	small inducible cytokine subfamily A(Cys-Cys), member 8 (monocyte chemotactic protein 2)(RefSeq aa 3e-59)	NP_005614.1	1
4912 ncrb6232	small inducible cytokine subfamily B (Cys-X-Cys), member 14 (BRAK) (SCYB14)	NM_004887.1	1
4913 MIOA0072a	Sop2p-like protein	Y08999	1
4914 FCR3580	Su (P) (=Z70310 C.elegans glutathione S-transferase)	AJ011320	1
4915 fcrb1856	superoxide dismutase 1 soluble (amyotrophic lateral sclerosis 1 (adult))(SOD1)	XM_047885.1	1
4916 hfcr9743	superoxide dismutase 3, extracellular (SOD3)	NM_003102.1	1
4917 ncr9165	superoxide dismutase Mn (EC 1.15.1.1+D3527)	Y00472.1	1
4918 FCR2075	thiol-specific antioxidant	X82321	1
4919 ncr6012	thioredoxin reductase 1 (TXNRD1)	NM_003330.1	1
4920 seoa0981m	Chediak-Higashi syndrome 1 (CHS1)	NM_000081.1	1
4921 MIOA6597a	Ankhn mRNA,	AB011370	1
4922 ncrb4490	arfaptin 1 (HSU52521)	NM_014447.1	1
4923 MIOA4771	intersectin short form	AF064243	1
4924 ncr4984	alpha endosulfine	AF157509.1	1
4925 SEOA8521	caveolin 2 (CAV2)	NM_001233.1	1
4926 hfcr7893	caveolin 3 (CAV3)	NM_001234.2	1
4927 miob3938	caveolin-1/-2 locus, Contig1, D7S522, genes CAV2 CAV1	AJ133269.1	1
4928 FCR6969	clathrin assembly protein 50 (AP50) (=D63475 hypothetical protein (KIAA01))	U36188	1
4929 SEOA4886a	clathrin coat assembly protein	E13406	1
4930 hfcr3615	clathrin, light polypeptide (Lcb) (CLTB)	NM_001834.1	1
4931 hfcr1633	clathrin-associated protein	X97074.1	1
4932 hfcr7649	Hermansky-Pudlak syndrome (HPS)	NM_000195.1	1
4933 MIOA3939a	kanadaplin	AF035526	1
4934 fcrb0099	myoM [Dictyostelium discoideum](38%ORF)	AB017910	1
4935 ncr8363	partial SNAP-23 gene for synaptosome associated protein-23, exons 6-8	AJ278974.1	1
4936 SEOA3357a	Rab7 protein	X89650	1

## Figure 6A - Continued

4937 FCR1829	SKD1 homologue	AF038960	1
4938 FCR4106	SMCY (H-Y)	U52191	1
4939 fcrb1556	sympleskin; Huntingtin interacting protein I (SPK)	XM_017129.2	1
4940 MIOA9136	synaptosome associated protein 23 kD isoform A	AJ011915.1	1
4941 mioa0480m	vesicle trafficking protein (SEC22C) (ORF)	AF039568	1
4942 hfcr1371	VPS28 protein (LOC51160)(ORF)	NM_016208.1	1
4943 ncr9429	zinc/ iron regulated transporter-like (ZIRTL) (=putative metal transporter (IRT1 homologue))	NM_014437.1	1
4944 fcrb1684	synaptosomal-associated protein 25kD (SNAP25)	XM_056115.1	1
4945 hfcr4451	4F2 heavy chain	AB018010.1	1
4946 SEOA9100	88-kDa Golgi protein (GM88)	AF204231.1	1
4947 miob3757	CG12935 gene product	AAF58754.1	1
4948 ncr0509	CG13865 gene product [Drosophila melanogaster]	AE003066	1
4949 SEOB1219	CG13919 gene product	AE003472	1
4950 ncr9652	CG14037 gene product	AAF52201.1	1
4951 ncr5810	CG14903 gene product	AAF55335.1	1
4952 ncr0518	CG17593 gene product [Drosophila melanogaster]	AE003579	1
4953 miob3721	CG2839 gene product	AAF51469.1	1
4954 SEOB3468	CG3358 gene product	AAF57413.1	1
4955 MIOA9099	CG3918 gene product [Drosophila melanogaster](56%ORF)	AAF46166.1	1
4956 ncr7619	CG6949 gene product	AE003739	1
4957 fcrb0044	CG8605 gene product [Drosophila melanogaster]	AE003559	1
4958 miob3690	CG9469 gene product	AAF57414.1	1
4959 MIOA0528	CGI-03 protein (=AF106798 fas-associated factor 1 (FAF1))	AF132938.1	1
4960 ncr2381	CGI-06 protein (LOC51604),	NM_015937.1	1
4961 ncr2848	CGI-10 protein (LOC51004),	NM_015940.1	1
4962 ncrb3241	CGI-12 protein (RefSeq aa 1e-68)	NP_057026.1	1
4963 ncrb8649	CGI-125 protein (RefSeq aa 1e-30)	NP_057144.1	1
4964 SEOA4524	CGI-128 protein (ORF)	AF151886	1
4965 ncrb3352	CGI-145 protein (RefSeq aa 2e-48)	NP_057159.1	1
4966 SeA0222	CGI-17 protein	AF132951.1	1
4967 hfcr6971	CGI-18 protein (LOC51008)	NM_015947.1	1
4968 seob5764	CGI-26 protein (LOC51071)	NM_015954.1	1
4969 SEOA0577	CGI-27 protein	AF132961.1	1
4970 ncrb6087	CGI-35 protein (LOC51077)	NM_015962.1	1
4971 seob6703	CGI-47 protein (LOC51095)(ORF)	NM_016000.1	1
4972 hfcr2708	CGI-48 protein (LOC51096)	NM_016001.1	1
4973 SEOA7583a	CGI-54 protein (60% aa)	AF151812	1
4974 ncr3076	CGI-79 protein (RefSeq aa 2e-76)	NP_057108.1	1
4975 MIOA0936	CGI-80 protein	AF151838.1	1
4976 ncr8910	CGI-85 protein (LOC51111)	NM_016028.1	1
4977 hfcr9410	CGI-87 protein (LOC51112)	NM_016030.1	1
4978 seob4223	cytoplasmic dynein intermediate chain 2C mRNA Length = 2460	U39046.1	1
4979 fcrb2453	cytoskeleton-associated protein 4 (CKAP4), mRNA	XM_006940.4	1
4980 miob3668	diaphanous 1 (HDIA1)	AF051782.1	1
4981 hfcr6937	dynactin light chain (DCTN-22)	NM_007234.1	1
4982 miob3257	dynactin p62 subunit(LOC51164)(= putative tumor suppressor)	NM_016221.1	1
4983 ncr0335	dynein light chain-A (LOC51143)(ORF)	NM_016141.1	1
4984 SEOA1232A	dynein light intermediate chain 2 (LIC2)	AF035812	1
4985 ncr9803	dynein, cytoplasmic, intermediate polypeptide 1 (RefSeq aa 3e-57)	NP_004402.1	1
4986 fcrb2401	dynein, cytoplasmic, light intermediate polypeptide 2, clone IMAGE:4294925, mRNA	BC010928.1	1
4987 hfcr1140	flightless I (Drosophila) homolog (FLII), mRNA	NM_002018.1	1
4988 fcrb1855	gamma-tubulin complex protein 2 (GCP2)	XM_057524.1	1

## Figure 6A - Continued

4989 miob2466	golgi SNAP receptor complex member 1 (GOSR1)	NM_004871.1	1
4990 ncr3965	golgi SNAP receptor complex member 2 (GOSR2)	NM_004287.1	1
4991 ncr3073	Golgi transport complex protein (90 kDa) (GTC90)	NM_006348.1	1
4992 hfc7855	golgin-67 (GOLGA5) D1886	AF164622.1	1
4993 SEOA8997	kinectin 1 (156 kDa Protein) (=CG1)	CAA80271.1	1
4994 ncr7801	kinesin heavy chain member 2 (KIF2)	NM_004520.1	1
4995 miob0589	kinesin-like protein GAKIN	AF279865.1	1
4996 FCR4306	kinesin-like spindle protein HKSP (=X85137)	U37426	1
4997 ncr6552	kinesin-related protein, partial cds	D14678.1	1
4998 MIOA0959	MAP1B protein	AF115776.1	1
4999 ncrb2266	microtubule-associated proteins 1A/1B light chain 3	AF303888.1	1
5000 hfc6366	novel centrosomal protein RanBPM (RANBPM)	NM_005493.1	1
5001 FCR2182	spindle pole body protein spc97 homologue GCP2	AF042379	1
5002 SEOA0526	Sprague-Dawley acidic calponin	U06755	1
5003 miob6988	TACC2 protein (TACC2) (=AF176646.1 anti zuai-1)	AF095791.1	1
5004 ncr3276	CG2974 gene product (aa 2e-41,52%)	AAF46554.1	1
5005 ncr4473	CG6353 gene product (aa 3e-20,68%)	AAF55906.1	1
5006 ncr2377	CG8198 gene product	AAF48498.1	1
5007 fcrb2338	CGI-01 protein (CGI-01), mRNA	NM_015935.2	1
5008 ncr5768	CGI-11 protein (RefSeq aa 2e-35)	NP_057025.1	1
5009 fcrb1890	CGI-144 protein	AF151902.1	1
5010 ncr4903	CGI-55 protein	AF151813.1	1
5011 SEOA8520	dJ797M17.1 (Dermatopontin)	CAB46693.1	1
5012 ncr2258	adlican	AF245505.1	1
5013 ncr5484	chondrocyte expressed protein 68 kDa (CEP-68 gene)(= ASPIC(acidic secreted protein in cartilage))	AJ279016.1	1
5014 ncr1476	chondroitin 4-O-sulfotransferase 2	AF239822	1
5015 ncr0385	chondroitin 6-sulfotransferase	AB017915	1
5016 hfc9935	collagen type III N-endopeptidase (PCOLN3), (=metallopeptidase PRSM1 ) (=KIAA0047 gene.)	NM_002768.1	1
5017 hfc0832	collagen type VI alpha 2 (COL6A2)	M81836.1	1
5018 ncrb2804	collagenous repeat-containing sequence of 26kDa protein	AAG33704.1	1
5019 ncr7227	dentin matrix acidic	NM_004407.1	1
5020 ncr6773	dystroglycan 1	NM_004393.1	1
5021 MIOA5409a	EGF-containing fibulin-like extracellular matrix protein 1 (EFEMP1) =U03877= extracellular protein(S1-5)	NM_004105.1	1
5022 hfc3539	elastin gene, partial cds and partial 3'UTR	U77846.1	1
5023 BFCW0023	EPSILON-COAT PROTEIN (EPSILON-COP; LDLF) (low match)	spAC005197	1
5024 FCR0511	extracellular protein (S1-5)	U03877	1
5025 hfc1915	fibrillarin (FBL)	NM_001436.1	1
5026 fcrb2060	fibulin 1 (FBLN1)	XM_047231.1	1
5027 hfc1667	fibulin 2 (FBLN2)	NM_001998.1	1
5028 FCR6221	fibulin-4	AJ132819	1
5029 hfc5864	germ line gene homologous to bladder carcinoma oncogene T24 (Gene code c-Ha-ras-1)with four exons	V00574.1	1
5030 FCR5812	glypican-5 (GPC5) (=AF001462)	U66033	1
5031 fcrb1876	glypican-6 (GPC6)	AF105267.1	1
5032 MIOA2858a	Hakata antigen	D88587	1
5033 FCR6854	heparan-sulfate 6-sulfotransferase	AB006179	1
5034 MIOA6697a	hepatic leukemia factor (HLF)	M95585	1
5035 hfc3616	interphotoreceptor matrix proteoglycan 200 (SPACRCAN)(ORF)	NM_016247.1	1
5036 SEOB0242	lamin-like protein (low match)	M24732	1
5037 hfc1762	linker for activation of T cells (LAT)	AF036906.1	1
5038 seob4216	LST1 mRNA, cLST1/E splice variant, complete cds	AF000426.1	1
5039 ncr9060	matrilin 4 (RefSeq aa 5e-44)	NP_003824.1	1
5040 FCR1464	miCRofibril-associated glycoprotein 4 (MFAP4)	L38486	1



Figure 6A - Continued

5041 MIOB1506	miCRofibril-associated glycoprotein-2 MAGP-2	U37283.1	1
5042 hfc8814	microfibrillar-associated protein 2 (MFAP2)	NM_002403.1	1
5043 FCR0056n	mucin MUC1 (=M61170)	X69118	1
5044 FCR1783	nidogen (=M27445;M30269) (low match)	X84837	1
5045 fCR0125	period (per) region proteoglycan gene	M13655	1
5046 ncrb3928	PG-M core protein	D45889.1	1
5047 SOA0031	phosphatidylinositol glycan, class H (PIGH)	L19783	1
5048 fcrb2637	phosphatidylinositol glycan, class K (PIGK)(=AF022913.1 GPI transamidase) (=Y07596.1 GPI8 protein )	XM_039644.2	1
5049 miob4595	pRGR1	AF041429.1	1
5050 ncrb1511	psihHbC pseudogene for hair keratin	Y19215.1	1
5051 miob6103	sarcolemmal associated protein (SLAP1) mRNA, complete cds	U21155.1	1
5052 ncrb2928	sarcolipin (SLN)	NM_003063.1	1
5053 FCR7548	sarcosin	AF056929	1
5054 ncr2391	sarcospan (Kras)	NM_005086.2	1
5055 ncrb2422	sarcospan (Sspn), mRNA	NM_010656.1	1
5056 ncrb4485	serglycin gene	M90058.1	1
5057 hfc3859	SHORT-CHAIN COLLAGEN C4	P18503	1
5058 hfc6406	tenascin XA (TNXA)	NM_007116.1	1
5059 ncrb2155	Z-crystallin/quinone reductase (CRYZ) gene sequence	L31526.1	1
5060 ncrb4763	Hem-2	X80029.1	1
5061 ncr2999	LAZ3/BCL6 gene	Z79581.1	1
5062 MIOA4277	MLL (MLL) gene, exons 1-3, similar to MARINER TRANSPOSASE	AF036405	1
5063 FCR6531	22kDa smooth muscle protein (SM22)	M95787	1
5064 hfc4068	actin binding protein (Schizosaccharomyces pombe sop2-like) (SOP2L)	NM_006409.1	1
5065 hfc3902	actin related protein 2/3 complex, subunit 1B (41 kD) (ARPC1B), mRNA	NM_005720.1	1
5066 ncr5242	actin-binding protein 22 kDa (SM22) gene	AF013711.1	1
5067 ncr4696	actin-binding protein homolog ABP-278	AF043045.1	1
5068 MIOA8531	actinin-associated LIM protein	AF039018	1
5069 MIOA5404a	actin-like 6 (ACTL6)=AF041474 =BAF53a (BAF53a)(ORF)	NM_004301.1	1
5070 hfc5970	ACTN2 gene for alpha-Actinin 2, exon 21	AJ249776.1	1
5071 seob7900	A-kinase anchoring protein 220 (=AB014529 KIAA0629)	AF176555.1	1
5072 FCR2972	alpha 1-syntrophin (SNT A1)	U40571	1
5073 FCR4357	alpha II spectrin (=J05243;X86901)	U83867	1
5074 FCR4754	alpha-adducin	L29294	1
5075 hfc1379	alpha-tropomyosin	AJ001055.1	1
5076 seob6217	alpha-tubulin	K00557.1	1
5077 BFCW0200	ankyrin 1 (ANK1) (=M28880)	AF005213	1
5078 FCR2209	ankyrin alt. variant 2.2 (53%,aa)	X16609	1
5079 FCR4743	ankyrin binding glycoprotein-1 related mRNA sequence	L11002	1
5080 miob7030	ankyrin-repeat containing protein (Krit1) gene	U90269.1	1
5081 ncr4486	A-raf-1 oncogene	X04790.1	1
5082 hfc5237	archvillin (SVIL)	AF109135.1	1
5083 FCR2587	beta tubulin (clone nuk_278)	X79535	1
5084 MIOA1948a	beta-filamin	AF042166	1
5085 seob5640	beta-tubulin	AF141349.1	1
5086 seoa7955	capping protein alpha mRNA, partial cds /cds=UNKNOWN /gb=U03851 /gi=433307 /ug=Hs.75546 /len=2287	Hs.75546	1
5087 FCR2585	capping protein_beta-subunit isoform 1	U10406	1

## Figure 6A - Continued

5088 fcrb1101	CDC42-binding protein kinase beta (DMPK-like) (CDC42BPB) mRNA	NM_006035.1	1
5089 FCR3664	cofilin, non-muscle type (=U21909)	X95404	1
5090 ncr7207	cytohesin 1, isoform 2 (RefSeq aa 3e-30)	NP_059430.1	1
5091 hfc4278	cytokeratin 8	U76549.1	1
5092 FCR1111	desmosome associated protein pinin	U77716	1
5093 fCR0958	destrin-2 (=actin depolymerizing factor)	U72518	1
5094 seob7941	drebrin E	D17530.1	1
5095 FCR3299	dynammin	L07807	1
5096 FCR7518	dystrobrevin B DTN-B1	Y15722	1
5097 hfc4011	GLUT1 C-terminal binding protein (GLUT1CBP)	NM_005716.1	1
5098 SEOA6620a	hCRNN4	AB030656.1	1
5099 ncr3649	kelch (Drosophila)-like 3(=kelch-like protein KLHL3b )(= KLHL3c )(= KLHL3a)(= KIAA1129 protein,)	NM_017415.1	1
5100 MIOB2163	keratin type II (58 kD)	M21389.1	1
5101 FCR4057	NuMA protein (=Z11584;Z14229;Z14227)	Z11583	1
5102 seoa8101	partial TTN gene for titin	AJ277892.2	1
5103 hfc6691	phosvitin/casein kinase type II beta subunit (EC 2.7.1.37)	X16937.1	1
5104 miob0974	regulatory factor X-associated ankyrin-containing protein (RFXANK)	NM_003721.1	1
5105 mioa7812a	scinderin (SCIN), mRNA /cds=(276,1682) /gb=Nm_033128 /gi=14916472 /ug=Hs.210473 /len=2571	Hs.210473	1
5106 hfc3436	singed (Drosophila)-like(sea urchin fascin homolog like) (SNL)	NM_003088.1	1
5107 hfc9054	skeletal muscle alpha-actin gene (ACTA1)	AF182035.1	1
5108 ncrb6644	skeletal muscle HSB84A051 STRATAGENE cDNA library, cat. #936215. cDNA clone 84A05	Z28721.1	1
5109 fCR0373	skeletal muscle selenoprotein W (SelW)	U25264	1
5110 FCR4784	smoothelin	AC005005	1
5111 ncr0836	spectrin, alpha,non-erythrocytic 1 (alpha-fodrin) (SPTAN1)(= alpha II spectrin)	NM_003127.1	1
5112 hfc3527	spectrin, beta, non-erythrocytic 1 (SPTBN1)(ORF) = M96803.1	NM_003128.1	1
5113 ncr5668	stretch regulated skeletal	CAC03620.1	1
5114 ncr6399	striated muscle contraction regulatory protein (Id2B)	M96843.1	1
5115 ncrb2687	TANKYRASE (RefSeq aa 9e-90)	NP_003738.1	1
5116 FCR5483	telethonin	AJ000491	1
5117 SEOA9499	testican-1	AF231124	1
5118 SEOA0990n	TRICHOHYALIN	spP37709	1
5119 fcrb1539	tubulin alpha 6 (TUBA6)	XM_028724.2	1
5120 fcrb1618	tubulin, alpha, ubiquitous (K-ALPHA-1)	NM_006082.1	1
5121 hfc3913	tubulin, beta, 2 (TUBB2) (ORF)	NM_006088.1	1
5122 hfc4114	tubulin, beta, 4 (TUBB4)	NM_006086.1	1
5123 fcrb1183	tubulin-specific chaperone d (TBCD)= AJ006417 beta-tubulin cofactor D	NM_005993.2	1
5124 FCR0903	uroporphyrinogen decarboxylase (UROD)	AF047383	1
5125 hfc6970	vasodilator-stimulated phosphoprotein (VASP)	NM_003370.1	1
5126 hfc9862	zyxin (ZYG) (=ESP-2 )	NM_003461.1	1
5127 ncr5929	actin binding protein; macrophin(microfilament and actin filament cross-linker protein)(RefSeq aa 1e-40)	NP_036222.1	1
5128 fcrb1600	alpha actinin 4 (Actn4)	NM_021895.1	1
5129 seob6525	alpha tropomyosin (tpma)	AF180892.1	1
5130 fcrb2745	aortic-type smooth muscle alpha-actin (SM-alpha-A) gene, exon 9	M33216.1	1
5131 FCR5930	fast skeletal troponin C	X07898	1
5132 FCR1562	myosin alkali light chain (ventricular)	M24122	1

## Figure 6A - Continued

5133 FCR2498	myosin binding protein H	L05606	1
5134 ncr6212	myosin IC (MYO1C)	NM_004998.1	1
5135 fcrb1834	myosin, light polypeptide 6, alkali, smooth muscle and non-muscle (MYL6)	XM_049089.1	1
5136 ncr1912	myosin, light polypeptide kinase (RefSeq aa 2e-76)	NP_005956.1	1
5137 FCR1337	myosin-IXb	U42391	1
5138 ncr0808	myotubular myopathy 1(MTM1)	NM_000252.1	1
5139 FCR2218	regulatory myosin light chain (MYL5)	L03785	1
5140 FCR2935	slow skeletal muscle troponin T (clone H22h)	M19309	1
5141 FCR3155	slow-twitch skeletal troponin I (TNN1)	J04760	1
5142 SEOA1099	SMAP-5 smooth muscle cell associated protein	AB014733	1
5143 ncr9779	SMC-like protein	AJ005015.1	1
5144 hfer8575	smooth muscle myosin light chain kinase	M76233.1	1
5145 seob5431	troponin I, skeletal, fast 2 (Tnni2), mRNA	NM_009405.1	1
5146 ncr0265	adapt78 protein gene= U85266	U53821.1	1
5147 miob3048	colon cancer-associated protein Mic1	NM_013326.1	1
5148 miob4322	CRIB-containing BORG2 protein (BORG2)	AF164118.1	1
5149 miob0785	laforin (EPM2A)	AF084535.2	1
5150 miob0628	neuroligin 3	AF217413.1	1
5151 hfer9296	peroxisomal membrane protein 20	AF124993.1	1
5152 miob4307	peroxisomal membrane protein 3 (35kD, Zellweger syndrome) (PXMP3)	NM_000318.1	1
5153 ncrb8539	peroxisomal targeting signal 1 (SKL type) receptor	Z48054.1	1
5154 ncr5287	peroxisome assembly factor-2 (PEX6) gene	AF108098.1	1
5155 HFCR3224	phosphatidylinositol glycan, class C (PIGC)	gi4505794	1
5156 SEOA4177a	PIG-A protein	D11466	1
5157 hfer3649	tight junction protein 1 (zona occludens 1) (TJP1)	NM_003257.1	1
5158 miob1139	tight junction protein ZO-2 (TJP2)	AF177533.1	1
5159 hfer9400	78 kDa gastrin-binding protein	U04627.1	1
5160 SEOB3384	AP-3 complex sigma3A subunit	U91932.1	1
5161 hfer6634	ARE1-like protein	AJ006026.1	1
5162 mioa9189	ASIALOGLYCOPROTEIN RECEPTOR 2 (HEPATIC LECTIN 2) (MHL-2) (ASGP-R) (ASGPR)(52%ORF)	P24721	1
5163 miob1441	ESR (EST84588 Colon adenocarcinoma IV cDNA 5')	AA372592.1	1
5164 FCR1308N	neuropilin-2 (a5)	AF022861	1
5165 MIOA2424a	son of sevenless 1	Z11574	1
5166 ncr6925	toll-like receptor3 (RefSeq aa 3e-41)	NP_003256.1	1
5167 MIOA6252a	trg (=AB028981 KIAA1058)	X68101	1
5168 ncrb0811	UCC1 protein (UCC1 gene)	AJ250475.2	1
5169 SEOB1721	5-HT4 receptor gene	AJ243213.1	1
5170 FCR6396	alpha 7 neuronal nicotinic receptor	AF029838	1
5171 FCR5779	alpha-CP1 (=X78137 hnRNP-E1)	U24223	1
5172 SEOB1383	alpha-globin transCRiption factor CP2	M84810.1	1
5173 SEOB2090	autocrine motility factor receptor (AMFR)	NM_001144.1	1
5174 SEOA0085	beta-hydroxysteroid dehydrogenase 11 (HSD11)	M76661	1
5175 seob3886	bradykinin receptor B2 (BDKRB2)	NM_000623.1	1
5176 ncr1876	breast cancer nuclear receptor-binding auxiliary protein (BRX)	AF126008.1	1
5177 hfer4457	calcitonin receptor-like receptor activity modifying protein 2 (RAMP2)	NM_005854.1	1
5178 MIOA8987	CD163 antigen (CD163) (=M130 antigen (cytosolic variant 2)	NM_004244.1	1
5179 MIOA3842	CD33 differentiation antigen (CD33)	M23197	1
5180 FCR5681	CD34	M81104	1
5181 BFCW0008	CD39L2 (CD39L2)	AF039916	1
5182 SOA0606	CD3G antigen, gamma polypeptide (TiT3 complex) (CD3G)	X04145	1
5183 SEOA0534	CD58	Y14785	1

## Figure 6A - Continued

5184 mioa7829a	CDA11 protein (CDA11), mRNA /cds=(25,918) /gb=NM_032026 /gi=14042942 /ug=Hs.11810 /len=1039	Hs.11810	1
5185 ncr8290	CHRM3 gene for muscarinic acetylcholine receptor m3	AB041395.1	1
5186 hfc4497	class I cytokine receptor (zcytor5)	AF178684.1	1
5187 SEOB0038	colony stimulating factor 1 receptor (CSF1R) gene, exon 5	M33210.1	1
5188 ncr1150	CSF-1 receptor (FMS) gene (=KIAA0194)	U63963.1	1
5189 ncr0954	CSF2RA=GM-CSF receptor alpha subunit	S48475.1	1
5190 SEOB0119	endothelial protein C receptor	AB026584.2	1
5191 ncr3520	endothelin receptor type A (EDNRA)	NM_001957.1	1
5192 ncr6776	endothelin receptor type B-like protein	U87460.1	1
5193 MIOA2718a	epidermal growth factor repeat containing protein (=AL117610)	AF186084	1
5194 MIOA8539	Epstein-Barr virus induced gene 2(lymphocyte-specific G protein-coupled receptor) (=EBI2)	NP_004942.1	1
5195 ncrb2013	estrogen receptor gene, 5' partial (422 bp)	AJ002562.1	1
5196 ncr6197	estrogen receptor-bindingfragment-associated gene 9 (RefSeq aa 9e-68)	NP_004206.1	1
5197 MIOB2814	estrogen related receptor alpha (ESTRRA) pseudogene	U85258.1	1
5198 hfc1310	estrogen-related receptor gamma (ESRRG)	NM_001438.1	1
5199 ncr6893	Ewing sarcoma breakpoint region 1 (EWSR1), transcript variant EWS	NM_005243.1	1
5200 seob4555	fibroblast growth factor receptor 2 (bacteria-expressed kinase, keratinocyte growth factor receptor, craniofacial dysostosis 1, Crouzon syndrome, Pfeiffer syndrome, Jackson-Weiss syndrome) (FGFR2)	NM_000141.1	1
5201 fcrb1807	fibroblast growth factor receptor 3 (achondroplasia, thanatophoric dwarfism)(FGFR3)	XM_044120.1	1
5202 FCR2132	fibroblast growth factor receptor(N-sam)	X66945	1
5203 ncr7351	FYN-binding protein (FYB-120/130) (RefSeq aa 3e-38)	NP_001456.1	1
5204 ncr3388	G protein-coupled receptor 30 (GPR30)	NM_001505.1	1
5205 ncr1029	G protein-coupled receptor 48 (GPR48)	NM_018490.1	1
5206 MIOA0483	G protein-coupled receptor Edg-2	Y09479	1
5207 ncr6925	G protein-coupled receptor kinase 5 (GPRK5)	NM_005308.1	1
5208 MIOA0840a	GABAA receptor subunit alpha4	U30461	1
5209 seob5862	gene for vitamin D receptor, exon 9 (=1,25-dihydroxyvitamin D3) receptor)	AB002168.1	1
5210 miob4186	genes for vasopressin, oxytocin and a long interspersed repeated DNA element (LINE)	X59496.1	1
5211 ncr8751	gephyrin (GPH)	NM_020806.1	1
5212 seob7877	G-protein coupled receptor (SH120)	gi7706703	1
5213 seob7760	G-protein-coupled receptor 48 (GPR48)	AF257182.1	1
5214 seob6104	growth factor receptor bound protein 2 (Grb2)	NM_008163.1	1
5215 MIOA7317	growth hormone receptor (contains Alu repeat)	X06562	1
5216 SEOB1879	H1 histamine receptor	Z34897.1	1
5217 FCR1776	Hin-2 (=U40396 steroid receptor coactivator SRC-1)	U19179	1
5218 SEOA2040	histamine H1-receptor	D14436.1	1
5219 MIOA1794	IL-1 receptor antagonist IL-1Ra (IL-1RN)	U65590	1
5220 MIOA0925a	IL-13 receptor	Y08768	1
5221 SEOA5151a	interferon alpha/beta receptor (IFNAR) gene, exon 11 and partial cds.	U06244	1
5222 ncr4454	interferon, gamma-inducible protein 16 (IFI16)	NM_005531.1	1
5223 MIOA4944a	interferon,gamma-inducible protein 30 (IFI30)(ORF)=J03909	NM_006332.1	1

## Figure 6A - Continued

5224 mioa7709a	interleukin-1 receptor-associated kinase 1 (IRAK1), mRNA /cds=(79,2217) /gb=NM_001569 /gi=4755143 /ug=Hs.182018 /len=3583	Hs.182018	1
5225 FCR4385	interleukin-11 receptor	Z38102	1
5226 ncr3434	interleukin-18 binding protein c precursor (IL18BP)	AF110801.1	1
5227 hfc0568	laminin receptor precursor/p40 ribosome associated protein gene 37 kD ( colin carcinoma laminin)	U43901.1	1
5228 miob1814	leukemia inhibitory factor receptor (LIFR)	NM_002310.2	1
5229 ncr5039	lymphatic vessel endothelial hyaluronan receptor 1 (LYVE-1)	NM_006691.1	1
5230 FCR7369	M2-type pyruvate kinase	M23725	1
5231 ncrb4652	m3 muscarinic acetylcholine receptor (CHRM3) gene	U29589.1	1
5232 hfc9022	metabotropic glutamate receptor 6 (mGluR6) gene	U82083.1	1
5233 fCR1023	mineralocorticoid receptor (=hMR) (low match)	M80582	1
5234 hfc1202	natriuretic peptide precursor B (NPPB)	NM_002521.1	1
5235 hfc7508	neurotrophic tyrosine kinase, receptor, type 2 (NTRK2)	NM_006180.1	1
5236 ncr8906	NK receptor Ly-49L gene	AF126036.1	1
5237 seob5052	NKG2D gene	AJ001689.1	1
5238 seob5319	novel retinal pigment epithelial cell protein (NORPEG) (=KIAA1334)	AF155135.1	1
5239 ncr0045	NRBF-2 nuclear receptor binding factor-2	AB024930.1	1
5240 hfc8885	nuclear receptor binding protein (NRBP)	NM_013392.1	1
5241 MIOB2686	nuclear receptor interacting protein 1 (NRIP1)	gi4505454	1
5242 ncr9881	nuclear receptor Rev-Erba-beta	U20796.1	1
5243 hfc5937	nuclear receptor subfamily 1, group I, member 3 (NR1I3)=( orphan nuclear hormone receptor)=(similar to XIST, coding sequence)	NM_005122.1	1
5244 ncrb8700	olfactory receptor (OR2D2) gene, partial cds	AF065876.1	1
5245 fcrb1162	olfactory receptor (OR7-86) pseudogene	U86282	1
5246 MIOA8639	olfactory receptor 17-93 (OR17-93) and olfactory receptor 17-201 (OR17-201) genes	U76377	1
5247 miob3120	oncostatin M receptor (OSMR)	NM_003999.1	1
5248 SEOA9619	osteoprotegrin ligand	AF053712	1
5249 fcrb1714	outer membrane receptor Tom20 (TOM20) gene (=KIAA0016)	AF126962.1	1
5250 SEOA3910	oxytocin receptor	X64878	1
5251 FCR0143	oxytocinase splice variant 1	U62768	1
5252 MIOA7209a	P2X7	Y12853	1
5253 FCR1557	p50B/p97 (Lyt-10) transCRiption factor	D16367	1
5254 hfc1141	PAR protein (PAR)	NM_012389.1	1
5255 hfc1101	peroxisome proliferative activated receptor delta (PPARD) gene, exon 9 and complete cds	AF246296S8	1
5256 miob6929	peroxisome proliferative activated receptor, gamma, coactivator 1 (PPARGC1)	NM_013261.1	1
5257 SEOB2131	peroxisome receptor 1 (PXR1)	NM_000319.1	1
5258 ncrb0624	PEST-containing nuclear protein (pcnp)	NM_020357.1	1
5259 ncr3415	photolyase, complete cds	D83702.1	1
5260 MIOA1137	pilin-like transCRiption factor	AF122004.1	1
5261 hfc2796	PNR gene	AJ276674.1	1
5262 seoa4988a	pro-oncosis receptor inducing membrane injury gene (PORIMIN), mRNA /cds=(216,785) /gb=NM_052932 /gi=16418408 /ug=Hs.172089 /len=3338	Hs.172089	1
5263 mioa9273	prostaglandin E2 receptor EP4	AF177934	1
5264 miob0663	putative G-protein coupled receptor RA1c	AAD12761.1	1
5265 ncrb7177	receptor (calcitonin) activity modifying protein 3 (RAMP3)	NM_005856.1	1
5266 FCR1346	receptor of retinoic acid (=M73779 PML-RAR protein (PML-RAR))	X06614	1

## Figure 6A - Continued

5267 seoa7876a	receptor tyrosine kinase-like orphan receptor 2 (ROR2), mRNA /cds=(199,3030) /gb=NM_004560 /gi=4758841 /ug=Hs.155585 /len=4092	Hs.155585	1
5268 seob6395	receptor tyrosine phosphatase gamma (PTPRG) gene, exon 30 and complete cds	U46116.1	1
5269 fcrb1582	receptor-associated protein of the synapse, 43kD (RAPSN)	XM_037181.1	1
5270 MIOA6502a	regulator of G protein signaling (RGS5)	AF030108	1
5271 MIOA3679a	Rel domain-containing transCRiption factor NFAT5 (Nfat5)	AF162853.1	1
5272 SEOB0641a	RETINOIC ACID- AND INTERFERON-INDUCIBLE 58 KD PROTEIN (RI58)	spQ13325	1
5273 hfcr6579	retinoic acid receptor gamma (RARG)	NM_000966.1	1
5274 seob4613	retinoic acid receptor responder (tazarotene induced) 1 (RARRES1)= U27185.1 RAR-responsive (TIG1)	NM_002888.1	1
5275 SEOA4464a	retinoic acid receptor, beta (RARβ) =Y00291 hap mRNA encoding a DNA-binding hormone receptor	NM_000965.1	1
5276 SEOA4017a	retinoic acid-induced protein (RAI2)	AF136587.1	1
5277 miob2448	retinoid x receptor interacting protein (LOC51720)	NM_016290.1	1
5278 ncr6604	retinoid X receptor, alpha (RXRA)	NM_002957.2	1
5279 hfcr1826	retinoid X receptor, gamma (RXRG)	NM_006917.1	1
5280 HFCR3220	RS21-C6 (TdrG-TL1)	AF110764.1	1
5281 hfcr0016	scg	D67015.1	1
5282 fcrb1299	Sck, partial	AB001451	1
5283 ncrb3569	secreted modular calcium-binding protein 2 (smoc2 gene)	AJ249902.1	1
5284 ncr65019	sigma receptor (SR31747 binding protein 1) (SR-BP1)	NM_005866.1	1
5285 MIOA0059a	steroid receptor (TR2-11)	M29960	1
5286 hfcr9953	steroid receptor RNA activator	AF092038.1	1
5287 ncr3123	T41p (C8orf1)	AF061326.1	1
5288 ncr3684	TAFII20 transcription factor TFIID(=TFIID subunits TAF20 and TAF15)(= subunit p22)	X84002.1	1
5289 hfcr9936	transmembrane receptor protein	Z17227.1	1
5290 hfcr5719	transportin-SR (TRN-SR)	AF145029.1	1
5291 MIOA1947a	TRHR gene promoter (low match)	AJ011701	1
5292 fCR0819	V beta T-cell receptor (TCRBV) (low match)	U03115	1
5293 hfcr7856	vanilloid receptor-like protein (VRL)	NM_016113.1	1
5294 hfcr3375	vasoactive intestinal peptide receptor 1 (VIPR1)	NM_004624.1	1
5295 SEOA0396	very low density lipoprotein receptor	D16532	1
5296 miob3937	v-Ki-ras2 Kirsten rat sarcoma 2 viral oncogene homolog (KRAS2)	NM_004985.1	1
5297 ncrb6366	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT)(= c-kit gene)(= KIT proto-oncogene for mast/stem cell growth factor receptor, exon 21 )	NM_000222.1	1
5298 fcrb1562	benzodiazapine receptor (peripheral) (BZRP)	XM_040167.1	1
5299 FCR3957	14-3-3 epsilon	U54778	1
5300 FCR0608	14-3-3 protein beta subtype=putative protein kinase C regulatory protein	S55223	1
5301 hfcr0786	14-3-3 protein eta chain	D78577.1	1
5302 FCR2293	14-3-3 protein gamma subtype=putative protein kinase C regulatory protein	S55305	1
5303 FCR3001	14-3-3n protein (=D78577)	L20422	1
5304 SEOA3287	40 kDa protein kinase related to rat ERK2	Z11695	1
5305 MIOA8767	BIFUNCTIONAL 3'-PHOSPHOADENOSINE 5'-PHOSPHOSULFATE SYNTHETASE 1 (PAPS SYNTHETASE 1) (PAPSS 1) (SULFURYLASE KINASE 1) (SK1) (SK 1)	spO43252	1
5306 hfcr0370	calcineurin B	M30773.1	1

Figure 6A - Continued

5307 FCR1989	cAMP-dependent protein kinase regulatory subunit RI-beta	M65066	1
5308 hfcr3444	CDC-like kinase 3 (CLK3) transcript variant phclk3	NM_003992.1	1
5309 MIOA0753n	DCHT (=AF030403 Ste20-like protein kinase)	AF017635	1
5310 ncrb2166	ILK-1 gene for integrin-linked kinase 1, exons 1-13	AJ404847.1	1
5311 FCR0385	JAB1-containing signalosome subunit 3 (SGN3)	AF031647	1
5312 mioa9294	JNK2 beta2 protein kinase (JNK2B2) (ORF)	U35003.1	1
5313 hfcr4168	MAP kinase-interacting serine/threonine kinase 1 (MKNK1)	NM_003684.1	1
5314 miob5888	mitogen-activated protein kinase 5 (MAP4K5)	NM_006575.1	1
5315 ncrb2570	mitogen-activated protein kinase 8 (MAPK8)(= kinase (JNK1))	NM_002750.1	1
5316 ncr6170	mitogen-activated protein kinase phosphatase x (MKPX)	NM_020185.1	1
5317 ncr2717	mitogen-activated proteinkinase-activated protein kinase 5 (RefSeq aa 3e-39)	NP_003659.1	1
5318 hfcr1418	mitotic spindle coiled-coil related protein (DEEPEST)	NM_006461.1	1
5319 SEOA3387a	pim-1 oncogene	M16750	1
5320 FCR1207	PKU-alpha	AB004884	1
5321 SEOB3076	PKY protein kinase	AF004849.1	1
5322 FCR2704	plk-1 (=U01038)	X73458	1
5323 ncrb0444	protein kinase C delta-type	D10495.1	1
5324 FCR7178	protein kinase C zeta	Z15108	1
5325 ncr1837	protein kinase C, alpha (RefSeq aa 3e-31)	NP_002728.1	1
5326 mioa9935	protein kinase C, nu (PRKCN)	NM_005813.2	1
5327 hfcr3622	protein kinase CDK9(CDK9) gene	AF255306	1
5328 hfcr9461	protein kinase Chk2 (RAD53)	NM_007194.1	1
5329 seob6432	protein kinase C-theta (PRKCT)	L01087.1	1
5330 FCR6039	protein kinase Dyrk2	Y13493	1
5331 SEOA1689a	protein kinase inhibitor p58	U28424	1
5332 MIOA5097a	protein kinase inhibitor(testicular isoform) (ORF).	L02241	1
5333 FCR4469	PROTEIN MOV-10	spP23249	1
5334 MIOB2067	PROTEIN N-TERMINAL ASPARAGINE AMIDOHYDROLASE (PROTEIN NH2-TERMINAL ASPARAGINE DEAMIDASE) (NTN-AMIDASE) (PNAD) (PROTEIN NH2-TERMINAL ASPARAGINE AMIDOHYDROLASE) (PNAA)	spQ64311	1
5335 FCR0059n	PROTEIN OS-9 PRECURSOR (non-exact 48%)	spQ13438	1
5336 FCR3856	protein tyrosine kinase t-Ror1 (Ror1) (=AF059524 reticulon gene family protein (RTN3))	U38894	1
5337 hfcr1419	rac protein kinase beta	M77198.1	1
5338 ncr6376	Ser/Thr protein phosphatase type 2C beta 2 isoform	AF294792.1	1
5339 ncr1967	serine racemase	AF169974.1	1
5340 hfcr6276	serine/threonine protein kinase (HSA250839)	NM_018401.1	1
5341 CR0052	serum inducible kinase (SNK)	M96163	1
5342 SEOA6118a	serum/glucocorticoid regulated kinase-like	gi7019527	1
5343 seob4270	SFRS protein kinase 1 (SRPK1)	NM_003137.1	1
5344 ncrb1880	SFRS protein kinase 2 (SRPK2)	NM_003138.1	1
5345 SEOA7587a	T2K protein kinase homologue	AF145705.1	1
5346 hfcr2237	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide (YWHAE)	NM_006761.1	1
5347 hfcr7957	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide (YWHAZ)	NM_003406.1	1
5348 FCR7711	tyrosyl-tRNA synthetase	U89436	1
5349 SEOA6695a	VRK2	AB000450	1
5350 SEOA3811a	cGMP phosphodiesterase delta subunit	AF022912	1

## Figure 6A - Continued

5351 MIOB2104	cGMP-binding cGMP-specific phosphodiesterase (PDE5)	AB001633.1	1
5352 mioa9492	cyclic AMP-regulated phosphoprotein (90% match)	AF112220.1	1
5353 FCR5176	CYCLIC-AMP-DEPENDENT TRANSCRIPTION FACTOR ATF-4 (DNA-BINDING PROTEIN TAXREB67) (CREB2)	spP18848	1
5354 ncr0457	Golgi membrane sialoglycoprotein MG160 (GLG1)(= cysteine-rich fibroblast growth factor receptor (CFR-1) mRNA)	U64791.1	1
5355 FCR2045	breakpoint cluster region protein 2 (BCRG2)	AF044774	1
5356 ncr7088	cAMP-regulated guanine nucleotide exchange factor II (CAMP-GEFII)	NM_007023.1	1
5357 hfcr8540	dishevelled 2 (homologous to Drosophila dsh) (DVL2)	NM_004422.1	1
5358 ncr1681	formin (Fmn)	NM_010230.1	1
5359 fcrb1359	formin-binding protein 17 (FBP17)	AF265550.1	1
5360 seob5418	GDP dissociation inhibitor 1 (GDI1)	NM_001493.1	1
5361 ncr4588	GRB2-associated binding protein 1 (GAB1)	NM_002039.1	1
5362 SEOB0096	GTPase Rab14 (LOC51730) (=DKFZp762K0911)	NM_016322.1	1
5363 SEOA1909	GTPase-activating protein GAPIII	U20238	1
5364 ncr0144	GTP-binding protein similar to RAY/RAB1C (RAYL), (ORF)	NM_006860.1	1
5365 SEOA1747a	guanine nucleotide exchange factor delta subunit (JGR1A)	M98036	1
5366 FCR6502	guanine nucleotide exchange factor GRP1 (=A223957 ARNO3 protein)	AJ005197	1
5367 FCR0860	guanine nucleotide regulatory protein (ABR)	U01147	1
5368 seob4424	guanine nucleotide regulatory protein (oncogene) (NET1A) mRNA	NM_005863.1	1
5369 hfcr8772	Intracellular hyaluronan-binding protein	AF241831.1	1
5370 CR0236	mad protein homolog (hMAD-2)	U68018	1
5371 FCR2340	MAD2 protein (=U31278)	AJ000186	1
5372 ncr0165	Na /H exchanger 2 (A57644) (ORF)	D87743	1
5373 FCR6497	Na /H exchanger regulatory factor 2 (NHERF-2) (=AF004900 NHE3 kinase A regulatory protein E3KARP)	AF035771	1
5374 miob0180	N-acetylneuraminate lyase (EC 4.1.3.3)(Non-exact 35% identity)	CAA27051.1	1
5375 fcrb0130	non-receptor tyrosine kinase (TNK1) gene, complete cds	AF097738	1
5376 ncrb6355	partial RAB18 gene for RAS-related small GTPase RAB18, exons 4-6	AJ277148.1	1
5377 SEOA6137a	phosphoprotein p53	M22898	1
5378 hfcr1798	Rab acceptor 1 (prenylated) (RABAC1)	NM_006423.1	1
5379 mioa9499	RAB10	XM_002267	1
5380 ncr0223	RAB2, member RAS oncogene family (RAB2) (ORF)	NM_002865.1	1
5381 MIOA0820	Rab27a (=AF154840.1 Ras-like GTP-binding protein (RAB27A))	U38654.3	1
5382 hfcr1918	RAB31, member RAS oncogene family (RAB31)	NM_006868.1	1
5383 HFCR9418	RAB39 (RAB39)	AF322067	1
5384 seob5886	RAB-8b protein (LOC51762),mRNA	NM_016530.1	1
5385 BFCN0133	rah=ras-related homologue	S72304	1
5386 fcrb1018	RalBP1 associated Eps domain containing protein (Reps1), mRNA	NM_009048.1	1
5387 FCR7009	RalGDS-like 2 (RGL2)	U68142	1
5388 hfcr8663	RAN binding protein 3 (RANBP3), transcript variant RANBP3-c	NM_007321.1	1
5389 FCR0779	RAN-SPECIFIC GTPASE-ACTIVATING PROTEIN (RAN BINDING PROTEIN 1) (RANBP1)	spP43487	1



## Figure 6A - Continued

5390 ncrb4428	Ras association (RalGDS/AF-6) domain family 2 (RASSF2)(= KIAA0168)	NM_014737.1	1
5391 seob6669	ras GTPase activating protein-like (NGAP) mRNA	NM_004841.1	1
5392 MIOA0247a	ras GTPase-activating-like protein (IQGAP1) (=D29640 KIAA0051)	L33075	1
5393 ncrb6844	Ras homolog enriched in brain 2 (RHEB2)	NM_005614.1	1
5394 ncrb2586	ras homolog gene family member A (ARHA)(= GTP-binding protein(rhoA))	NM_001664.1	1
5395 seob7699	RasGAP-related protein (IQGAP2)	U51903.1	1
5396 SEOA6711	ras-like protein	M31467	1
5397 FCR7379	ras-like protein (low match, 57% aa)	M31468	1
5398 MIOA6621a	ras-related protein (rab18)	L04966	1
5399 hfc9603	RAS-RELATED PROTEIN RAH1(AS-RELATED HOMOLOG)	spQ64008	1
5400 MIOA8102	RAS-RELATED PROTEIN RAP-1A (C21KG)(KREV-1 PROTEIN) (GTP-BINDING PROTEIN SMG-P21A) (G-22K)	spP10113	1
5401 MIOA3361a	rho GDP-dissociation Inhibitor 1	X69550	1
5402 ncrb2018	Rho GTPase activating protein 6 isoform5 (RefSeq aa 3e-67)	NP_038266.1	1
5403 seob6856	Rho-associated, coiled-coil containing protein kinase 2 (ROCK2)	NM_004850.2	1
5404 ncr9061	SH3 and PX domain-containing protein SH3PX1 (SH3PX1)	NM_016224.1	1
5405 hfc93592	SH3 domain-containing protein 6511 (LOC51165)(ORF)	NM_016223.1	1
5406 hfc8006	SH3-containing adaptor molecule-1	AF037261.1	1
5407 ncrb7483	SH3-containing protein EEN (EEN) and chromatin assembly factor-I p150 subunit (CAF) genes	AF190465.1	1
5408 FCR4699	signal transducer and activator of transCRiption 3 (acute-phase response factor) (STAT3)	L29277	1
5409 SEOA1460a	signal transducing adaptor molecule 2A (STAM2)	AF042273	1
5410 hfc8450	signal-induced proliferation-associated gene 1 (SIPA1)	NM_006747.1	1
5411 seob6601	small GTP-binding protein RAB1A	AF226873.1	1
5412 MIOA3653a	Testin 2 (testin 3)	AF260225	1
5413 SEOA7417a	T-lymphoma invasion and metastasis inducing TIAM1 protein (TIAM1)	U16296	1
5414 ncrb1195	transducer of ERBB2, 1 (RefSeq aa 2e-64)	NP_005740.1	1
5415 miob6640	transducer of ERBB2, 2(TOB2)	NM_016272.1	1
5416 MIOA0474	transducin (beta) like 1 protein	Y12781	1
5417 fcrb1441	A kinase (PRKA) anchor protein 1 (AKAP1)	XM_008154.3	1
5418 hfc2955	ANG2 (ANG2)	AF024631.2	1
5419 seob5223	angiopoietin-like 2 (ANGPTL2)	NM_012098.1	1
5420 BFCW0393	Aspergillus nidulans sudD homologue	AF013591	1
5421 FCR3277	BB1=malignant cell expression-enhanced gene/tumor progression-enhanced gene	gi1699264	1
5422 hfc2642	bone-derived growth factor (BPGF-1)	L42379.1	1
5423 ncrb4025	EXT-like protein 2 (EXTL2)	AF000416.1	1
5424 mioa9666	factor C=endotoxin-sensitive intracellular serine protease zymogen (clone CrFC26)[Carcinoscorpius rotundicauda=Singapore horseshoe crabs, blood, amoebocytes, Peptide, 1083 aa, 34%ORF]	S77064	1
5425 SEOA0407	gliosarcoma-related antigen MIDA1 (MIDA1)	AF118853.1	1
5426 hfc1302	glycine amidinotransferase (L-arginine:glycine amidinotransferase) (GATM)	NM_001482.1	1
5427 ncrb3435	insulin-like growth factor binding protein 6 (IGFBP6) mRNA, complete mature peptide	M69054.1	1
5428 ncr2581	interferon-related developmental regulator 1	NP_001541.1	1

Figure 6A - Continued

5429 FCR1724	MAGE-Xp (non-exact 60%) (=M80840 Mouse necdin non-X82539 exact)		1
5430 MIOA3799	non-erythrocyte beta spectrin	AF017112	1
5431 SEOA0449	NOV protein	X96585	1
5432 FCR7095	SKB1Hs	AF015913	1
5433 ncr4496	angiopoietin-like factor (CTD6)	NM_021146.1	1
5434 FCR0893	activin beta-C chain	X82540	1
5435 ncrb4349	angiogenin ribonuclease RNase A family, 5 (ANG)	NM_001145.1	1
5436 ncrb2458	bone morphogenetic protein 4 precursor(RefSeq aa 8e-38)	NP_001193.1	1
5437 hfcr9612	bone morphogenetic protein 7 (osteogenic protein 1) (BMP7) (=OP-1)	NM_001719.1	1
5438 FCR1298	bone morphogenetic protein1 (BMP1) (clone KT2) and alternatively spliced mammalian tolloid protein (mTld)	L35279	1
5439 SEOB0308	CC-chemokine MCP-4	AJ001634.1	1
5440 miob5771	chemokine (C-X3-C) receptor 1 (CX3CR1)	NM_001337.1	1
5441 MIOA8705	chemokine receptor X(CKRX)	AF014958	1
5442 FCR0459	chimaeric transCRipt of collagen type 1 alpha 1 and platelet derived growth factor beta	Y15913	1
5443 ncr0238	decidual protein induced by progesterone (DEPP)	NM_007021.1	1
5444 ncr5509	developmental arteries and neural crest EGF-like protein mRNA (=fibulin-5)	AF112152.1	1
5445 MIOA8902	developmental protein DG1071	AAC67538.1	1
5446 ncr1687	endocrine regulator (RefSeq aa 2e-88)	NP_055160.1	1
5447 SEOA0491	enkephalin	K00489	1
5448 hfcr6336	fibroblast growth factor 13 (FGF13)	NM_004114.1	1
5449 fcrb0979	fibroblasts of periodontal ligament	AB019409	1
5450 SEOA6364	glia maturation factor beta	M86492	1
5451 miob1789	glia maturation factor homologous protein	AB001993.1	1
5452 SEOB0938	gonadotropin-releasing hormone (=X01059)	X15215.1	1
5453 SEOB2156	GRO3 oncogene (GRO3)	NM_002090.1	1
5454 SEOA3147	growth factor-responsive protein, vascular smooth muscle (=U06713)	A53770	1
5455 ncr2172	growth hormone secretagogue precursor (GHRELIN) gene, complete cds	AF296558.1	1
5456 SEOA6393	growth inhibitor p33ING1 (ING1)	AF001954	1
5457 FCR2761	heparin cofactor II (HCF2)	M58600	1
5458 hfcr1697	heparin-binding growth factor binding protein (non-exact 25% a.a)(DNA sequence (chromosome 4, Accn. No. AC005598.6)	NP_005121.1	1
5459 SEOA2184a	insulin-like growth factor binding protein 5	U02026	1
5460 BFCN0094	insulin-like growth factor binding protein (IGFBP-2) (=M35410)	X16302	1
5461 hfcr1037	interferon-induced leucine zipper protein (IFP35) mRNA, partial cds	U72882.1	1
5462 miob5434	keratinocyte, normal	U33270.1	1
5463 SEOA7268a	mast cell growth factor (Mgf)	U44725	1
5464 SEOB0250	monocyte seCRetory protein, JE (=S69738)	M28226.1	1
5465 seob7868	NB thymosin beta	D82345.1	1
5466 MIOB2855	neuroendoCRine seCRetory protein 55	AF105253.1	1
5467 fcrb1721	placental growth factor vascular endothelial growth factor-related protein (PGF)	XM_040405.1	1
5468 ncr5072	prepro insulin-like growth factor-I (IGF-I) gene, exon 1	M59812.1	1
5469 ncr4780	preproadrenomedullin, complete cds (exon 1-4)	D43639.1	1
5470 miob0487	schwannomin interacting protein 1 (SCHIP-1)	NM_014575.1	1
5471 SEOA2900a	seCRetory protein clone 1.1 (=D79993 KIAA0171)	U00157	1
5472 MIOA0884a	thymocyte protein cThy28kD (=AF161493 HSPC144)	U34350	1
5473 hfcr2933	Transformation-related protein	AAA36776.1	1

## Figure 6A - Continued

5474 FCR4795	transformation-sensitive protein (IEF SSP 3521)	M86752	1
5475 FCR7065	transforming acidic coiled-coil containing protein 3 (TACC3)	AF093543.1	1
5476 ncr5762	transforming growth factor, alpha (TGFA)	NM_003236.1	1
5477 SEOA0770	transforming growth factor-beta type I receptor	AF035669	1
5478 FCR1833	TRANSFORMING PROTEIN P21/H-RAS-1 (C-H-RAS)	spP01112	1
5479 hfcr3928	TRK-fused gene (NOTE: non-standard symbol and name) (TFG) (ORF)	NM_006070.1	1
5480 ncrb3341	uncharacterized bone marrow protein BM028 (=chord domain-containing protein 1 (CHP1))	AF217505.1	1
5481 seob2555	uncharacterized bone marrow protein BM029 (BM029)	NM_018450.1	1
5482 SEOB0261	uncharacterized bone marrow protein BM031	AF217508.1	1
5483 SEOB2810	uncharacterized bone marrow protein BM033	AF217510.1	1
5484 miob3354	uncharacterized bone marrow protein BM044	AF217520.1	1
5485 miob3308	uncharacterized hypothalamus protein HT010 (HT010)	NM_018471.1	1
5486 ncrb2151	vascular endothelial growth factor C (RefSeq aa 6e-31)	NP_005420.1	1
5487 ncr3837	vascular endothelial junction-associated molecule	AF255910.1	1
5488 fcrb1428	vascular Rab-GAP/TBC-containing (VRP)	XM_010826.2	1
5489 ncrb4957	WNT1 inducible signalling pathway protein 2 (WISP2)	NM_003881.1	1
5490 hfcr8567	adenylyl cyclase	AF070583.1	1
5491 FCR1828	adenylyl cyclase type V (=AB007882 hypothetical protein (KIAA0422))	M96159	1
5492 FCR0837N	bone gamma-carboxyglutamate (gla) protein (osteocalcin) (BGLAP)	X51699	1
5493 SEOA7517a	motch B	X68279	1
5494 SEOB1175	NAALADase II protein	AJ012370.1	1
5495 SEOA5992a	adenylate cyclase 7 (ADCY7) (=D25538 KIAA0037)	gi4557254	1
5496 hfcr6322	adenylate cyclase activating polypeptide 1 (pituitary) receptor type I (ADCYAP1R1)	NM_001118.1	1
5497 MIOA2560a	ADP-ribosylation factor	L38490	1
5498 fcr0077	ADP-ribosylation factor (hARF5)	M57567	1
5499 ncr4572	ADP-ribosylation factor 3 (ARF3)	NM_001659.1	1
5500 hfcr9998	ADP-ribosylation factor binding protein (GGA1)	AF190862.1	1
5501 mioa7773a	ADP-ribosylation factor GTPase activating protein 1, clone MGC:10272 IMAGE:3938853, mRNA, complete cds	BC005122.1	1
5502 ncr8041	ADP-ribosylation factor-like 5 (ARL5), mRNA	NM_012097.1	1
5503 fcrb2534	ADP-ribosylation factor-like 6 interacting protein (ARL6IP), mRNA	XM_027365.2	1
5504 SEOA3989a	alpha-catenin-like protein (CTNNAL1)	AF030233	1
5505 seoa8146	ARP1 (actin-related protein 1, yeast) homolog A (centractin alpha) (ACTR1A), mRNA	XM_031949.1	1
5506 miob1007	beta-arrestin 2(=ARRB2)	AF106941.1	1
5507 ncr2862	Ca/calmodulin-dependent protein kinase II, delta subunit (Camk2d)	NM_012519.1	1
5508 seob3653	Ca2 -transporting ATPase (EC 3.6.1.38), fast skeletal muscle sarcoplasmic reticulum - edible frog (ORF)	S24359	1
5509 hfcr1055	calcium/calmodulin-dependent protein kinase I (CAMK1) (ORF)	NM_003656.2	1
5510 MIOA4782a	CALCIUM-BINDING PROTEIN E63-1=U25882(ORF)	P48593	1
5511 seob5379	calcium-independent alpha-latrotoxin receptor homolog 2 (CIRL-2) mRNA, complete cds	AF063102	1
5512 ncr4416	catenin (cadherin-associated protein), beta 1 (CTNNB1)	NM_001904.1	1

## Figure 6A - Continued

5513 ncrb6530	catenin(cadherin-associated protein), delta 1 (CTNND1)(= p120 catenin isoform 1ABC (CTNND1))	NM_001331.1	1
5514 FCR6524	collapsin response mediator protein CRMP-1 (=D78012)	U17278	1
5515 hfc5220	ECSIT (LOC51295)	NM_016581.1	1
5516 hfc4148	Gi3 alpha protein	X54048.1	1
5517 miob6910	grancalcin (GCL)	NM_012198.1	1
5518 MIOA4677	guanyl cyclase C gene	U20230	1
5519 FCR3323	homer-2a	AF093263	1
5520 hfc1816	indian hedgehog protein (IHH)	L38517.1	1
5521 hfc0478	max gene	X66867.1	1
5522 MIOA7069a	NAD ADP-ribosyltransferase 3 (ADPRT3)	AF085734.1	1
5523 mioa9966	nuclear receptor subfamily 2, group C, member 1 (NR2C1), = M29960.1 steroid receptor (TR2-11)	NM_003297.1	1
5524 SEOA9165	SAR1 (SAR1)	AF261717	1
5525 BFCS0319	soluble guanylate cyclase small subunit	X66533	1
5526 miob5647	terminal transferase	M11722.1	1
5527 SEOA1902	TIRC7 protein (TCIRG1)	AF033033.2	1
5528 SEOA4598	TNF receptor-1 associated protein (TRADD)	L41690	1
5529 hfc8608	TNF receptor-associated factor 1 (TRAF1)	NM_005658.1	1
5530 hfc6998	TNF-alpha stimulated ABC protein (ABC50)	AF027302.1	1
5531 hfc9565	TNF-receptor associated factor-3 (TRAF-3)	AF110908.1	1
5532 SEOB1801	TOK-1beta	AB040451.1	1
5533 MIOA8439	vitamin D3 receptor interacting protein (DRIP80)	AF105421.1	1
5534 hfc0594	inner membrane protein mitochondrial (mitofilin) (IMMT),(= p87/89 gene)=( motor protein )	gi5803114	1
5535 ncrb0462	thiamine transporter 1 (THT1)	AF160812.1	1
5536 miob3944	ABC transporter (ATM1)	AF078777.1	1
5537 FCR6944	calcium activated neutral protease large subunit (muCANP, calpain, EC 3.4.22.17)	X04366	1
5538 ncr6874	calcium transport ATPase ATP2C1 (ATP2C1)	AF225981.1	1
5539 MIOA6483a	calcium-activated potassium channel	U093833	1
5540 MIOA0304	channel-kinase 1 (CHAK1)	AF346629	1
5541 FCR1225N	chloride channel 3 (CLCN3)	X78520	1
5542 SEOA8839	chloride channel protein 4	AB019432.1	1
5543 MIOA3492a	chloride channel regulatory protein	U17899	1
5544 miob0420	connexin 26 (GJB2)	M86849.2	1
5545 hfc6043	Creatine transporter (SLC6A8) and (CDM) paralogous genes, (=accessory protein BAP31/BAP29 )	gi1401058	1
5546 SEOB1158	dopamine responsive protein DRG-1	AF271994.1	1
5547 ncr5975	familial intrahepatic cholestasis 1, (progressive, Byler disease and benign recurrent) (RefSeq aa 3e-91)	NP_005594.1	1
5548 FCR0300	gamma-aminobutyraldehyde dehydrogenase (=U50203 aldehyde dehydrogenase E3')	U34252	1
5549 miob3968	gamma-aminobutyric acid (GABA) A receptor, alpha 4 (GABRA4)	NM_000809.1	1
5550 hfc3391	gamma-aminobutyric acid (GABA) B receptor, 1 (GABBR1)	NM_001471.1	1
5551 seoa8040	glycoprotein (transmembrane) nmb (GPNMB), mRNA /cds=(91,1773) /gb=Nm_002510 /gi=4505404 /ug=Hs.82226 /len=2669	Hs.82226	1
5552 fcrb1892	hemoglobin, alpha 1 (HBA1)	NM_000558.3	1
5553 fcrb2704	hemoglobin, alpha 2 (HBA2),	NM_000517.3	1
5554 ncr6005	large conductance calcium- and voltage-dependent potassium channel alpha subunit (MaxiK) mRNA, complete cds	U11058.2	1
5555 FCR0553	L-type calcium channel beta-1 subunit (CACNLB1) (=M92303 voltage-dependent calcium channel beta-1)	U39412	1
5556 ncr3527	Machado-Joseph disease (MJD)	NM_004993.1	1

## Figure 6A - Continued

5557 ncr2083	membrane-bound aminopeptidase P (XNPEP2) gene	AF195953.1	1
5558 MIOA8939	mink-related peptide 3	AF076533.1	1
5559 MIOA2167a	OCTN2	AB016625.1	1
5560 seob7123	PALS1	AF199008	1
5561 seob7758	potassium channel subunit (=AB037843 KIAA1422)	AF089730	1
5562 ncr5485	potassium large conductancecalcium-activated channel, subfamily M, alpha member 1 2e-54	NP_002238.1	1
5563 seob7444	potassium voltage-gated channel, shaker-related subfamily, beta member 1,(KCNAB1)	NM_003471.1	1
5564 fCR0087	proton pump polypeptide	M58758	1
5565 mioa9604	SODIUM/HYDROGEN EXCHANGER 6 (NA( )/H( ) EXCHANGER 6) (NHE-6) (KIAA0267)	Q92581NAH6	1
5566 FCR5879	TRPC1 protein	X89066	1
5567 miob2533	VDAC1 gene porin isoform 1	AJ250039.1	1
5568 miob5012	voltage-gated potassium channel KCNQ5 (KCNQ5)	AF263835.1	1
5569 fcrb0332	cell surface glycoprotein P1H12 precursor	AF089868.1	1
5570 MIOA8973	killer cell lectin-like receptor subfamily B, member 1 (KLRB1) (=hNKR-P1a protein (NKR-P1A))	NM_002258.1	1
5571 FCR7419	METAXIN	spQ13505	1
5572 FCR5378	beta 2	X02344	1
5573 FCR2180N	beta4-integrin (ITGB4) (low match)	U66534	1
5574 miob6442	cadherin 5, VE-cadherin (vascular epithelium) (CDH5)	NM_001795.1	1
5575 FCR0440	cadherin-15	D83542	1
5576 MIOA7403a	cerebral cell adhesion molecule (=AB011156 KIAA0584) (75% aa)	AF177203.1	1
5577 MIOA6484a	c-type lectin DCL1 (ORF)	AF121352	1
5578 SEOA2442a	cysLT1 LTD4 receptor (CYSLT1)	AF119711.1	1
5579 ncr7839	desmoplakin (DPI, DPII) (RefSeq aa 1e-88)	NP_004406.1	1
5580 hfcr2732	flotillin 1 (FLOT1)	NM_005803.2	1
5581 ncr7570	focal adhesion kinase (FAK)	L13616.1	1
5582 SEOB0650a	fucosyltransferase 8 (alpha (1,6)fucosyltransferase)	NP_004471.1	1
5583 MIOA6717a	GPI transamidase	AF022913	1
5584 FCR0224	hGAA1	AB006969	1
5585 hfcr1284	ICHIT protein (52/53)	AJ010903.1	1
5586 hfcr2820	insulin-like growth factor binding protein 4 (IGFBP4)	M62403.1	1
5587 MIOA3469a	integrin alpha 6	X53586	1
5588 miob0681	integrin associated protein	Z25524.1	1
5589 ncr0912	integrin beta 3 binding protein (beta3-endonexin) (ITGB3BP), (=nuclear receptor co-activator NRIF3 (NRIF3))	NM_014288.1	1
5590 SEOB1144	INTEGRIN BETA-8 PRECURSOR	spP26012	1
5591 hfcr4488	integrin, alpha 5 (fibronectin receptor, alpha polypeptide) (ITGA5)	NM_002205.1	1
5592 fcrb1697	junctional adhesion molecule 3 (JAM3)	XM_053514.1	1
5593 ncr6620	N-cadherin mRNA, complete cds	M34064.1	1
5594 hfcr2275	nel (chicken)-like 2 (NELL2)	NM_006159.1	1
5595 hfcr0412	neural cell adhesion molecule	X07200.1	1
5596 FCR1421N	neural F box protein NFB42	AF098301	1
5597 hfcr8252	ninjurin 2 (NINJ2)	NM_016533.1	1
5598 ncr1368	novel protein AHNAK mRNA, partial sequence	M80899.1	1
5599 MIOA3588a	p55-related MAGUK protein DLG3 (dlg3)	AF124435.1	1
5600 seob6797	PCDH-psi3 pseudogene	AF152529.1	1
5601 MIOB2687	PNGase	AF250924.1	1
5602 hfcr4046	polycystic kidney disease 1(autosomal dominant) (PKD1)	NM_000296.1	1
5603 hfcr7101	Semaphorin A (V)(SEMA5)	NM_004636.1	1
5604 BFCW0401	semaphorin V	U28369	1
5605 FCR6016	syntaxin 5	U26648	1
5606 SEOA4296a	syntaxin4-interacting protein synip (ORF)	AF152924	1

## Figure 6A - Continued

5607 BFCW0288	SYT	X79201	1
5608 MIOA0218a	thrombomodulin, endothelial cell	M16552	1
5609 hfcr9352	TRAF interacting protein (TRIP)	NM_005879.1	1
5610 seob8021	TRAF5	AB000509.1	1
5611 ncr2472	TRAF-interacting protein I-TRAF	U59863.1	1
5612 ncr0240	triple functional domain(PTPRF interacting) (TRIO)(ORF)	NM_007118.1	1
5613 FCR0503	Tspan-3	AF054840	1
5614 ncr7239	Nop10p	NM_018648.1	1
5615 fcrb1917	chromodomain helicase DNA binding protein 3 (CHD3)	NM_001272.1	1
5616 FCR3274	chromosomal protein HMG1 related gene	D14718	1
5617 hfcr9975	chromosome-specific mRNA	L23207.1	1
5618 miob6717	cisplatin resistance associated (CRA)	NM_006697.1	1
5619 hfcr9188	H1 histone (H1F0)	NM_005318.1	1
5620 ncr7312	H2A histone family, member Y (H2AFY)(= histone macroH2A1.2)	NM_004893.1	1
5621 hfcr6965	H2B histone family, member Q (H2BFQ)	NM_003528.1	1
5622 ncrb1923	heterochromatin protein homologue (HP1)	L07515.1	1
5623 SEOA1419a	heterochromatin protein p25	U35451	1
5624 MIOA7408a	high mobility group 1 protein	L13804	1
5625 seob5574	high mobility group 1-like protein L6 (HMG1L6) retropseudogene sequence	AF076678.1	1
5626 FCR3032	high mobility group box (SSRP1)	M86737	1
5627 FCR7542	high mobility group HMGIC/NFIB fusion protein (HMGIC/NFIB)	AF022215	1
5628 miob5699	high mobility group-box containing protein 1 (HBP1)	NM_012257.1	1
5629 MIOA6807a	highly charged protein (D13S106E) (=X59131)	gi5031648	1
5630 fcrb2013	high-mobility group (nonhistone chromosomal) protein 1 (HMG1)	XM_028234.1	1
5631 FCR6924	high-mobility group phosphoprotein (HMG1-C)	L41044	1
5632 hfcr0858	high-mobility group phosphoprotein isoform I-C (HMGIC) gene	U28754.1	1
5633 miob5646	histone acetylase complex subunit (SPT3)	AF073930.1	1
5634 FCR0833	histone H2A.X.	X14850	1
5635 SEOA9729	hp1-gamma+D2192 Heterochromatin protein 1 gamma	AB030905	1
5636 ncr7189	importin beta subunit	L38951.1	1
5637 FCR0508	Nap1 protein (=AB011159 hypothetical protein (KIAA0587))	D84346	1
5638 hfcr4446	non-histone chromosomal protein (NHC)	U90549.1	1
5639 FCR4471	nonhistone protein HMG1	M21683	1
5640 FCR6412	nucleosome assembly protein 2	U77456	1
5641 fcrb1095	PDNA sequence AC clone 219d7,	AF225899	1
5642 seoa7966	pericentriolar material 1 (PCM1), mRNA /cds=(409,6483) /gb=NM_006197 /gi=5453855 /ug=Hs.75737 /len=6577	Hs.75737	1
5643 FCR5019	RecQ4 DNA helicase	AB006532	1
5644 seob4224	RPA interacting protein alpha (44% ORF)	CAB45690.1	1
5645 ncr7211	RTS gene	AF305057.1	1
5646 hfcr6199	RuvB (E coli homolog)-like 2(RUVBL2) (=erythrocyte cytosolic protein )	NM_006666.1	1
5647 SEOB1744	telomeric repeat binding factor 2 (TERF2)	NM_005652.1	1
5648 fcrb1990	TERF1 (TRF1)-interacting nuclear factor 2 (TINF2)	XM_033252.1	1
5649 hfcr9787	TRF2-interacting telomeric RAP1 protein (RAP1) mRNA, complete cds	AF262988.1	1
5650 FCR3418	34 kDa Mov34 homolog	U70735	1
5651 MIOB2564	BTG family, member 3 (BTG3)	5802989	1
5652 ncr1687	cdk inhibitor p27KIP1	AY004255.1	1

## Figure 6A - Continued

5653 SEOB0084	MD-2 protein (MD-2)	NM_015364.1	1
5654 miob3371	M-phase phosphoprotein 4 (MMP4)	NM_012218.1	1
5655 SEOA2633	OM-1	X67534	1
5656 FCR3201	200 kD protein	X80169	1
5657 seob4467	5-azacytidine induced gene 2 (Azi2)	NM_013727.1	1
5658 MIOA1097	BM-006	AF208848	1
5659 ncr8413	BM-008	AF208850	1
5660 ncr4227	BM-017 (=ALEX3)	AF208859.1	1
5661 ncr0139	BM022 mRNA	AF212225.1	1
5662 SEOB3556	CDC23 (cell division cycle 23, yeast, homolog) (CDC23)	NM_004661.1	1
5663 BFCS0266	CDC37 homologue	U43077	1
5664 SEOA8684	Cdc7 (CDC7)	AF015592.1	1
5665 FCR4582	cdk-inhibitor p57/KIP2 (CDKN1C) (=U22398)	U48869	1
5666 seob5395	cell cycle gene RCC1	X12654.1	1
5667 SEOA3895	clk1	L29219	1
5668 hfcr5147	cycA gene for cyclin A	X68303.1	1
5669 FCR6881	cyclin B	M25753	1
5670 miob2473	cyclin C (CCNC)	NM_005190.2	1
5671 MIOA4721	cyclin G1 interacting protein	U61837	1
5672 seob5942	cyclin H (CCNH) mRNA	NM_001239.1	1
5673 ncr6343	cyclin K (RefSeq aa 5e-62)	NP_003849.1	1
5674 ncr6745	cyclin T1 (RefSeq aa 7e-75)	NP_001231.1	1
5675 hfcr0723	cyclin T2 (CCNT2)	NM_001241.1	1
5676 hfcr8598	Cyclin-dependent kinase (CDC2-like) 10 (CDK10)(non-exact match, possibly novel)	NM_003674.1	1
5677 SEOA2004	CYCLIN-DEPENDENT KINASES REGULATORY SUBUNIT 1 (CKS-1)	spP33551	1
5678 SEOA7296a	D-type cyclin-interacting protein 1 (DIP1)	AF082569	1
5679 hfcr8765	enhancer of zeste (Drosophila) homolog 2 (EZH2)	NM_004456.1	1
5680 hfcr2250	Fanconi anemia, complementation group G (FANCG)	NM_004629.1	1
5681 ncr3020	GANP protein (=KIAA0572 protein )	AJ010089.1	1
5682 SEOB1834	geminin	AF067855.1	1
5683 SEOA8605	GTP binding protein similar to S. cerevisiae HBS1 (HBS1) (=eRFS) (=KIAA1038)	NM_006620.1	1
5684 MIOA1674a	GTP-binding protein	Z49068	1
5685 FCR3772	GTP-binding protein (RAB4)	M28211	1
5686 FCR6577	GTP-binding protein (rhoB)	AF098515	1
5687 FCR0288	GTP-binding protein (rhoC) (=X05026;L09159)	L25080	1
5688 miob3175	GTP-binding protein alpha q subunit (GNAQ) mRNA, complete cds	U40038.1	1
5689 SEOA4246a	GTP-binding protein NGB	AF120334	1
5690 MIOA4792a	GTP-binding protein rah	AF058807	1
5691 ncr1510	HARP (HARP) gene	AF210835.1	1
5692 FCR0604	HsGAK	D88435	1
5693 hfcr8947	Iodestar protein	AF080255.1	1
5694 MIOA6811a	Mig-6=mitogen-inducible gene mig-6 product	gi1037127	1
5695 miob1811	minichromosome maintenance deficient (mis5, S. pombe) 6 (MCM6)	NM_005915.2	1
5696 FCR4380	Miz-1 protein	Y09723	1
5697 MIOA1025	myeloid differentiation primary response protein MyD88	U70451	1
5698 ncrb5735	NIMA (never in mitosis gene a)-related kinase 6 (NEK6)	NM_014397.1	1
5699 SEOB1737	nucleolar protein p40	AAB46731.1	1
5700 seob6550	nucleolin (NCL) (=FLJ20214 fis)	NM_005381.1	1
5701 MIOA2447a	p85Mcm (=D55716 P1cdc47; D28480 hMCM2)	X74796	1
5702 FCR3143	PRAD1 cyclin	X59798	1

## Figure 6A - Continued

5703 hfc3514	Pseudoautosomal GTP-binding protein-like (PGPL)(ORF)= Y14391.2	NM_012227.1	1
5704 FCR4444	RhoE=26 kda GTPase homolog	S82240	1
5705 ncr3774	topoisomerase II alpha-4 (AF285159)	AAG13405.1	1
5706 SEOB0944	Fas-associated factor, FAF1 (Faf1 gene)	AJ271408.1	1
5707 ncr4771	neuronal thread protein AD7c-NTP	NP_055301.1	1
5708 MIOA7544a	neutral sphingomyelinase (N-SMase) activation associated factor (NSMAF) (=X96586 FAN protein)	gi4505464	1
5709 SEOA4601a	Newcastle disease virus inducible protein	U25276	1
5710 hfc3860	APG5 (autophagy 5, S.cerevisiae)-like (APG5L) =(apoptosis specific protein)	NM_004849.1	1
5711 miob0782	apoptosis inhibitor 1 (API1)	NM_001166.1	1
5712 hfc3633	apoptosis inhibitor survivin gene, complete cds	U75285.1	1
5713 SEOB0514	apoptosis related protein APR-3	AF144055.2	1
5714 ncr1084	apoptosis-associated nuclear protein (PHLDA1) gene	AF239986.1	1
5715 ncr9826	Baculoviral IAP repeat-containing 3 (BIRC3)(=inhibitor of apoptosis protein-1 (MIHC)	NM_001165.2	1
5716 MIOA0466	Bcl-2-binding protein (BAG-1)	AF022224	1
5717 ncr0273	bridging integrator protein-1 (BIN1) gene	U84000.1	1
5718 hfc9438	caspase 3, apoptosis-related cysteine protease (CASP3)	NM_004346.1	1
5719 ncr4538	caspase 6, apoptosis-related cysteine protease	XP_003600.1	1
5720 FCR4834	cell death suppressor (WA1) (=AF049672)	AF000267	1
5721 MIOA4542a	cell recognition molecule Caspr2 (=AB020675 KIAA0868) (60% aa)	AF193613	1
5722 miob1318	death-associated protein kinase 1 (DAPK1)	NM_004938.1	1
5723 MIOA1955a	DRAK1	AB011420	1
5724 seoa7699a	dual specificity phosphatase 6, clone MGC:3789 IMAGE:2906126, mRNA, complete cds	BC003143.1	1
5725 FCR5618	DUSP6 (=X93920 protein-tyrosine-phosphatase)	AB013382.1	1
5726 MIOA7247a	ES18	AF083930	1
5727 MIOA2152	Fas-apoptosis inhibitory molecule (Faim)	AF130367.1	1
5728 SEOB0418	neuronal apoptosis inhibitory protein 6 (Naip6); Naip3	AF242431.1	1
5729 miob0399	neuronal cell death-related protein (LOC51616), mRNA	NM_015975.1	1
5730 fCR0925	neurotrophin-3 (NT-3)	M37763	1
5731 hfc9643	programmed cell death 5(PDCD5),(= TFAR1) Length = 559	NM_004708.1	1
5732 SEOA9724	programmed cell death 9 (PDCD9) (ORF)	AF146192	1
5733 SEOB1323	RIP protein kinase	U50062.1	1
5734 MIOA5889a	seCReted apoptosis related protein 1 (Sarp1)	AF017989	1
5735 hfc3647	Siva-2 (ORF)	AF033111	1
5736 ncr3568	Kin17 protein	AJ005273.1	1
5737 FCR3584	MSSP	D82352	1
5738 ncr1175	ATP-DEPENDENT DNA HELICASE II, 80 KDA SUBUNIT (LUPUS KU AUTOANTIGEN PROTEIN P86) (KU86)(KU80) (86 KDA SUBUNIT OF KU ANTIGEN) (THYROID-LUPUS AUTOANTIGEN) (TLAA) (CTC BOX BINDING FACTOR 85 KDA SUBUNIT) (CTCBF) (CTC85) (NUCLEAR FACTOR IV) (DNA-REPAIR PRO>)	spP13010	1
5739 ncr7105	DNA fragmentation factor, 45 kD, alpha polypeptide (DFFA)	NM_004401.1	1
5740 FCR4740	DNA polymerase delta	M81735	1
5741 FCR6714	DNA replication licensing factor (huMCM2) (=D21063 KIAA0030)	D83987	1
5742 SEOA8432	DNA-DIRECTED RNA POLYMERASE II 19 KDA POLYPEPTIDE (RPB7)	spP52433	1



## Figure 6A - Continued

5743 SEOB0031	DNA-DIRECTED RNA POLYMERASES I, II, AND III 7.0 KD POLYPEPTIDE (ABC10-ALPHA) (RPB7.0)	spP53803	1
5744 ncr1522	gene encoding splicing factor SF1	AJ000052.1	1
5745 ncr3260	line-1 reverse transcriptase	AAC51337.1	1
5746 ncr9328	meiotic recombination (S. cerevisiae)11 homolog B (RefSeq aa 9e-69)	NP_005582.1	1
5747 ncr4663	meiotic recombination protein REC14	AAG31639.1	1
5748 MIOA4037a	origin recognition complex protein 2 homologue (hORC2L)	U27459	1
5749 FCR3743	origin recognition complex subunit 4 (ORC4L) (=AF022108)	AF047598	1
5750 MIOA1775	origin recognition complex subunit LATHEO (LATHEO)	AF093535.1	1
5751 ncr7016	origin recognition complex, subunit 3(yeast homolog)-like (RefSeq aa 2e-84)	NP_036513.1	1
5752 seob7392	polymerase (RNA) II (DNA directed) polypeptide A (220kD) (POLR2A)	NM_000937.1	1
5753 ncr3516	polymerase (RNA) II (DNA directed) polypeptide C (33kD) (POLR2C) mRNA(=variant beta for RNA polymerase II subunit 3)(= polymerase subunit hRPB 33)	NM_002694.1	1
5754 hfcr7505	polymerase (RNA) II (DNA directed) polypeptide E (25kD) (POLR2E)	NM_002695.1	1
5755 hfcr6600	polymerase (RNA) II (DNA directed) polypeptide I (14.5kD) (POLR2I)	NM_006233.2	1
5756 hfcr7317	polymerase (RNA) III (DNA directed) (39kD) (RPC39)	NM_006466.1	1
5757 FCR6314	polymerase II subunit hsRPB4	U89387	1
5758 hfcr9549	primase, polypeptide 1(49kD) (PRIM1)(= (subunit p48))	NM_000946.1	1
5759 FCR4803	replication factor C, 40-kDa subunit (A1) (=AF045555)	M87338	1
5760 ncr9686	reverse transcriptase (non-exact)	AAB02291.1	1
5761 FCR4494	BAF60b	AF068245	1
5762 miob3234	binding protein(SRM300)(= HSPC075)(= splicing coactivator subunit SRM300) Length = 7789	NM_016333.1	1
5763 hfcr6384	budding uninhibited by benzimidazoles 1 (yeast homolog), beta (BUB1B)	NM_001211.2	1
5764 SEOB1778	anaphase-promoting complex subunit 7 (APC7)	AF191340.1	1
5765 miob0682	BCL2-associated athanogene 2 (BAG2)	NM_004282.2	1
5766 ncr1791	CDE1 binding protein	Z22572.1	1
5767 SEOA3121a	cell division protein (=AJ005892 JM23 protein)	AF063015	1
5768 FCR0090n	cytosolic adenylate kinase (AK1)	J04809	1
5769 BFCW0134	D9 splice variant A	U95006	1
5770 ncrb1247	disabled (Drosophila) homolog 1 (DAB1)	NM_021080.1	1
5771 SEOB0975	discs, large (Drosophila) homolog 1 (DLG1)	gi4758161	1
5772 hfcr3531	D-prohibitin	AF178980	1
5773 FCR0490	hERV1	U31176	1
5774 mioa0506m	hevin like protein =high endothelial venule (ORF)	X82157	1
5775 MIOA3685a	Murr2 (=AB018272 KIAA0729)	D85434	1
5776 ncrb1861	Notch2	D32210.1	1
5777 ncr5168	progesterone induced protein (RefSeq aa 6e-32)	NP_056986.1	1
5778 miob3315	prohibitin (PHB)	NM_002634.2	1
5779 seoa7752a	proliferating cell nuclear antigen (PCNA), mRNA /cds=(118,903) /gb=Nm_002592 /gi=4505640 /ug=Hs.78996 /len=1231	Hs.78996	1
5780 fcrb1590	proliferation potential-related protein	AF352051.1	1
5781 SEOB0376	proto-oncogene (Wnt-5a)	L20861.1	1
5782 miob5412	RFG	X77548.1	1

## Figure 6A - Continued

5783 fcrb2381	SEPTIN 6 type II (SEPTIN6) mRNA, complete cds	AF403059.1	1
5784 ncrb8747	tumor endothelial marker 7 precursor (aa 3e-13)	NP_065138.1	1
5785 MIOA3725a	tumor neCrosis factor receptor 2 (TNFR2)	U52165	1
5786 hfcr8925	tumor necrosis factor type 1 receptor associated protein (LOC51721), mRNA	NM_016292.1	1
5787 hfcr8824	tumor necrosis factor type 2 receptor associated protein (TRAP3) mRNA, complete cds	U12597.1	1
5788 seob4030	tumor necrosis factor(ligand) superfamily, member 12 (TNFSF12) (=AF055872.1 APO3L)	NM_003809.1	1
5789 ncr1203	tumor necrosis factor, alpha-induced protein 1 (endothelial) (TNFAIP1)	NM_021137.1	1
5790 seob1061	tumor necrosis factor, alpha-induced protein 3 (TNFAIP3) (=DKFZp434B029)	NM_006290.1	1
5791 hfcr2941	tumor protein D52-like 2 (TPD52L2)	NM_003288.1	1
5792 seob5465	tumor protein p53-binding protein, 2 (TP53BP2) mRNA	NM_005426.1	1
5793 hfcr2808	tumor suppressing subtransferable candidate 1 (TSSC1)	NM_003310.1	1
5794 ncrb5384	tumor susceptibility gene 101 (RefSeq aa 2e-61)	NP_006283.1	1
5795 SEOA6395	raf oncogene	X03484	1
5796 FCR4921	mitochondrial precursor receptor (=D13641 Human KIAA0016)	D63411	1
5797 SEOB0999	mannan-binding lectin-associated serine protease-2	X98400.1	1
5798 SEOA7500a	T cell-activating protein (HRF20)	M27909	1
5799 SEOA2846	ragB protein	X90530	1
5800 SEOA6443	mitochondrial F1Fo-ATPase synthase f subunit	AF047436	1
5801 hfcr0099	actinin, alpha 4 (H. sapiens) (LOC126227)	XM_059002.1	1
5802 fcrb2126	SH3 domain binding glutamic acid-rich protein (SH3BGR)	XM_049754.1	1
5803 hfcr5948	fetal liver cDNA library Homo sapiens cDNA	AI174701.1	1
5804 ncr7813	FSHD region gene 1 (RefSeq aa 7e-36)	NP_004468.1	1
5805 seoa8040	glycoprotein (transmembrane) nmb (GPNMB), mRNA /cds=(91,1773) /gb=NM_002510 /gi=4505404 /ug=Hs.82226 /len=2669	Hs#S1731822	1
5806 hfcr3425	apurinic/aprimidinic endonuclease(APEX nuclease)-like 2 protein (APEXL2)	NM_014481.1	1
5807 SEOA8838	glutamine-fructose-6-phosphate transaminase 1 (GFPT1)	NM_002056.1	1

Figure 6B – List of EST Sequence Names From Fetal Cartilage cDNA Library

1	BFCN0001	62	BFCN0119	123	BFCN0233	184	BFCS0081	245	BFCS0312n
2	BFCN0002	63	BFCN0120	124	BFCN0235	185	BFCS0082	246	BFCS0313
3	BFCN0003	64	BFCN0124	125	BFCN0236	186	BFCS0083	247	BFCS0314
4	BFCN0005	65	bfcn0127n	126	bfcn0238n	187	BFCS0088n	248	BFCS0315n
5	BFCN0006	66	bfcn0128	127	BFCN0239	188	BFCS0089	249	BFCS0316
6	BFCN0007	67	bfcn0130	128	BFCN0245	189	BFCS0092	250	BFCS0317
7	BFCN0008	68	BFCN0133	129	BFCN0246	190	BFCS0093	251	BFCS0319
8	BFCN0009	69	bfcn0134n	130	BFCN0247	191	BFCS0094	252	BFCS0320
9	BFCN0010	70	BFCN0135	131	bfcn0248n	192	BFCS0195n	253	BFCS0321
10	BFCN0012	71	BFCN0136	132	BFCN0249	193	BFCS0196	254	BFCS0322
11	BFCN0013	72	BFCN0138	133	BFCN0250	194	BFCS0198	255	BFCS0324
12	BFCN0018	73	BFCN0139	134	BFCN0251	195	BFCS0199	256	BFCS0326
13	BFCN0019	74	bfcn0140n	135	BFCN0252	196	BFCS0202	257	BFCS0330
14	BFCN0021	75	BFCN0142	136	BFCN0253	197	BFCS0203	258	BFCS0331
15	BFCN0024	76	BFCN0156	137	BFCN0254	198	BFCS0205	259	BFCS0332
16	BFCN0027	77	BFCN0164	138	BFCN0255	199	BFCS0206n	260	BFCS0335
17	BFCN0029	78	BFCN0168n	139	BFCN0256	200	BFCS0207n	261	BFCS0336
18	BFCN0031	79	BFCN0171	140	BFCN0259	201	BFCS0208n	262	BFCS0337
19	BFCN0034	80	BFCN0172	141	BFCN0261	202	BFCS0212	263	BFCS0338
20	BFCN0038	81	BFCN0173	142	BFCN0265	203	BFCS0214	264	BFCS0342
21	BFCN0039	82	BFCN0177	143	BFCN0266	204	BFCS0216	265	BFCS0343
22	BFCN0040	83	BFCN0178	144	BFCN0267	205	BFCS0219	266	BFCS0345
23	BFCN0042	84	BFCN0179	145	BFCN0268	206	BFCS0220	267	BFCS0346n
24	BFCN0045	85	BFCN0180	146	BFCN0270	207	BFCS0223	268	BFCS0347n
25	BFCN0047	86	BFCN0181	147	bfcn0271	208	BFCS0228	269	BFCS0368
26	BFCN0048	87	bfcn0182n	148	BFCN0272	209	BFCS0229	270	BFCS0369
27	bfcn0049	88	BFCN0185n	149	BFCN0273	210	BFCS0231	271	BFCS0371
28	BFCN0050	89	BFCN0186	150	bfcn0274	211	BFCS0232	272	BFCS0377
29	BFCN0051	90	bfcn0190n	151	bfcn0485	212	BFCS0233	273	BFCS0379
30	BFCN0053	91	BFCN0192	152	BFCS0001	213	BFCS0238	274	BFCS0384
31	BFCN0055	92	BFCN0194	153	BFCS0003	214	BFCS0239n	275	BFCS0389
32	bfcn0056nn	93	BFCN0195	154	BFCS0005	215	BFCS0241	276	BFCS0390
33	BFCN0059	94	BFCN0196	155	BFCS0006	216	BFCS0244	277	BFCS0391
34	BFCN0060	95	BFCN0197	156	BFCS0007	217	BFCS0246	278	bfc0392
35	BFCN0062	96	bfcn0198nn	157	BFCS0008	218	BFCS0257	279	BFCS0393
36	BFCN0065	97	BFCN0199	158	BFCS0009	219	BFCS0259	280	BFCS0396
37	BFCN0067	98	BFCN0202n	159	BFCS0014	220	BFCS0260		
38	BFCN0072	99	BFCN0203	160	BFCS0021	221	BFCS0261		
39	bfcn0073n	100	BFCN0204	161	BFCS0022	222	BFCS0264		
40	BFCN0075	101	BFCN0205	162	BFCS0024	223	BFCS0265		
41	BFCN0079	102	BFCN0206n	163	BFCS0027	224	BFCS0266		
42	BFCN0081	103	BFCN0207	164	BFCS0034	225	BFCS0269n		
43	BFCN0082	104	BFCN0208	165	BFCS0035	226	BFCS0270		
44	bfcn0083n	105	BFCN0209	166	BFCS0037n	227	BFCS0276		
45	BFCN0085	106	BFCN0210	167	BFCS0038	228	BFCS0277		
46	BFCN0090	107	BFCN0211	168	bfc0039nn	229	BFCS0280		
47	bfcn0092	108	BFCN0213	169	BFCS0041	230	BFCS0281		
48	BFCN0093	109	BFCN0214	170	BFCS0042	231	BFCS0283		
49	BFCN0094	110	bfcn0215nn	171	BFCS0043	232	BFCS0284		
50	BFCN0096	111	BFCN0216	172	BFCS0045	233	BFCS0285		
51	BFCN0097	112	bfcn0217n	173	BFCS0047n	234	BFCS0286		
52	bfcn0098	113	BFCN0219	174	BFCS0048n	235	BFCS0289		
53	BFCN0105	114	BFCN0220	175	bfc0049	236	BFCS0292		
54	BFCN0109	115	BFCN0222	176	BFCS0050	237	BFCS0296		
55	BFCN0112	116	bfcn0224n	177	BFCS0054	238	BFCS0297		
56	BFCN0113	117	BFCN0225	178	BFCS0055	239	BFCS0299		
57	BFCN0114	118	BFCN0226	179	bfc0057n	240	BFCS0300		
58	BFCN0115	119	BFCN0227	180	BFCS0058	241	BFCS0302		
59	BFCN0116	120	BFCN0228	181	BFCS0074	242	BFCS0303		
60	bfcn0117n	121	BFCN0229	182	BFCS0077	243	BFCS0309n		
61	BFCN0118	122	BFCN0232	183	BFCS0079	244	bfc0311		

Figure 6B – Continued

281	BFCS0398	337	BFCS0549	393	BFCW0137	449	BFCW0240	505	BFCW0337
282	BFCS0399	338	BFCS0552	394	BFCW0139n	450	BFCW0241	506	BFCW0339
283	BFCS0404	339	BFCS0553n	395	BFCW0140	451	BFCW0244	507	bfcw0340n
284	BFCS0407	340	BFCS0557	396	BFCW0144	452	BFCW0245	508	BFCW0341
285	BFCS0408	341	BFCS0559	397	BFCW0145	453	BFCW0246	509	BFCW0345n
286	BFCS0417	342	BFCS0560	398	BFCW0146	454	BFCW0248n	510	bfcw0348n
287	BFCS0420	343	BFCS0563	399	BFCW0147	455	BFCW0250	511	BFCW0352
288	BFCS0421n	344	BFCW0008	400	BFCW0148	456	BFCW0251	512	BFCW0369
289	BFCS0457	345	BFCW0009	401	BFCW0150	457	BFCW0252	513	BFCW0370
290	BFCS0462	346	BFCW0010	402	BFCW0151	458	BFCW0253n	514	BFCW0371
291	BFCS0463	347	BFCW0014	403	BFCW0154	459	BFCW0254n	515	BFCW0372
292	BFCS0468n	348	BFCW0019n	404	BFCW0159	460	BFCW0255	516	BFCW0373
293	BFCS0469n	349	BFCW0020	405	BFCW0160	461	BFCW0256	517	BFCW0375
294	BFCS0478	350	BFCW0023	406	BFCW0162	462	BFCW0258	518	BFCW0378
295	BFCS0479	351	BFCW0024	407	BFCW0166	463	BFCW0261	519	BFCW0379n
296	BFCS0481	352	BFCW0026n	408	BFCW0169	464	BFCW0266	520	BFCW0380
297	BFCS0483	353	BFCW0035	409	BFCW0170	465	BFCW0268	521	BFCW0382
298	BFCS0484	354	BFCW0036n	410	BFCW0172	466	BFCW0275	522	BFCW0384
299	BFCS0485	355	BFCW0038	411	BFCW0176	467	BFCW0276	523	BFCW0386
300	BFCS0487	356	BFCW0054	412	BFCW0177	468	BFCW0277	524	BFCW0388n
301	BFCS0489	357	BFCW0055	413	BFCW0179	469	BFCW0280	525	BFCW0389
302	BFCS0491	358	BFCW0056n	414	BFCW0180	470	bfcw0281n	526	BFCW0390
303	BFCS0492	359	BFCW0060n	415	BFCW0183n	471	bfcw0282n	527	BFCW0391
304	BFCS0493	360	BFCW0062	416	BFCW0184	472	bfcw0286n	528	BFCW0393
305	BFCS0494	361	BFCW0064n	417	BFCW0186	473	BFCW0287	529	BFCW0394
306	BFCS0495	362	BFCW0065	418	BFCW0188	474	BFCW0288	530	BFCW0395
307	BFCS0496	363	BFCW0067	419	BFCW0189	475	BFCW0289	531	BFCW0396
308	BFCS0498	364	BFCW0069n	420	BFCW0191n	476	BFCW0291	532	BFCW0397
309	BFCS0500	365	BFCW0071	421	BFCW0192	477	BFCW0292n	533	BFCW0398
310	BFCS0501	366	BFCW0072	422	BFCW0194	478	BFCW0293	534	BFCW0400
311	BFCS0502	367	BFCW0073	423	BFCW0197	479	BFCW0294	535	BFCW0401
312	BFCS0503	368	BFCW0074	424	BFCW0198	480	BFCW0296	536	bfcw0402n
313	BFCS0504	369	BFCW0076	425	BFCW0200	481	BFCW0304	537	BFCW0403
314	BFCS0508	370	BFCW0078	426	BFCW0202n	482	BFCW0307	538	BFCW0404
315	BFCS0509	371	BFCW0079	427	BFCW0206n	483	BFCW0310	539	BFCW0406
316	BFCS0513	372	BFCW0081	428	BFCW0207n	484	BFCW0311	540	bfcw0407nn
317	BFCS0516	373	BFCW0083	429	BFCW0209n	485	bfcw0312n	541	BFCW0408
318	BFCS0518n	374	BFCW0085	430	BFCW0210	486	BFCW0313	542	BFCW0409
319	BFCS0519	375	BFCW0088	431	BFCW0212	487	bfcw0314n	543	BFCW0412
320	BFCS0520n	376	BFCW0090	432	BFCW0215	488	BFCW0316	544	BFCW0413n
321	BFCS0522	377	BFCW0092	433	BFCW0216	489	BFCW0317	545	BFCW0414
322	BFCS0523	378	BFCW0093	434	BFCW0217n	490	BFCW0318	546	BFCW0415
323	BFCS0524	379	BFCW0094	435	BFCW0218	491	BFCW0319	547	BFCW0416
324	BFCS0526	380	BFCW0100n	436	BFCW0219n	492	BFCW0320	548	bfcw0420
325	BFCS0527	381	BFCW0102n	437	BFCW0220	493	BFCW0323	549	BFCW0421
326	BFCS0531	382	BFCW0103	438	BFCW0223	494	BFCW0325	550	BFCW0422
327	BFCS0532	383	BFCW0108	439	BFCW0224	495	BFCW0326	551	BFCW0423
328	BFCS0533	384	bfcw0109nn	440	bfcw0225n	496	BFCW0327	552	BFCW0424
329	BFCS0535	385	BFCW0111	441	BFCW0226	497	BFCW0329	553	BFCW0425
330	BFCS0538	386	BFCW0112	442	BFCW0228n	498	BFCW0330n	554	BFCW0426
331	BFCS0539	387	BFCW0114	443	BFCW0230	499	BFCW0331	555	BFCW0429
332	BFCS0541	388	BFCW0115	444	BFCW0231	500	BFCW0332	556	BFCW0430n
333	BFCS0544	389	BFCW0118	445	BFCW0235	501	BFCW0333	557	BFCW0431
334	BFCS0545n	390	BFCW0132	446	BFCW0236	502	BFCW0334n	558	BFCW0432
335	BFCS0547	391	BFCW0133	447	BFCW0238	503	BFCW0335n	559	BFCW0433
336	BFCS0548	392	BFCW0134	448	BFCW0239	504	bfcw0336n	560	bfcw0435n

Figure 6B - Continued

561	BFCW0436	617	BFCW0546	673	CR0040	729	CR0144	785	CR0290
562	BFCW0438	618	BFCW0551n	674	CR0042	730	CR0145	786	CR0291
563	BFCW0440	619	BFCW0553	675	CR0043	731	CR0146	787	CR0292
564	BFCW0445	620	BFCW0554	676	CR0044	732	CR0163	788	CR0296
565	BFCW0457	621	BFCW0555	677	cr0045	733	CR0167	789	CR0297
566	BFCW0458n	622	BFCW0558	678	CR0046	734	CR0178	790	CR0300
567	BFCW0459	623	BFCW0567n	679	CR0050	735	CR0179	791	CR0302
568	BFCW0460	624	BFCW0568n	680	CR0052	736	CR0180	792	CR0303
569	BFCW0461	625	BFCW0569n	681	CR0054	737	CR0183	793	cr0304
570	BFCW0462	626	BFCW0570	682	CR0055	738	CR0184	794	CR0305
571	BFCW0464n	627	BFCW0572n	683	cr0056N	739	CR0193	795	CR0307
572	BFCW0467	628	BFCW0573	684	CR0057	740	CR0196	796	CR0310
573	BFCW0469n	629	BFCW0574	685	CR0060	741	CR0203	797	CR0311
574	BFCW0472	630	bfcw0576n	686	CR0063	742	cr0204	798	CR0312
575	BFCW0476	631	bfcw0579	687	CR0064	743	CR0205	799	CR0323
576	BFCW0478n	632	BFCW0583	688	CR0065	744	CR0206	800	CR0334
577	bfcw0479nn	633	BFCW0586	689	CR0066	745	CR0208	801	cr0337N
578	BFCW0480	634	BFCW0587	690	CR0067	746	CR0209	802	cr0346N
579	BFCW0481	635	BFCW0588	691	CR0068	747	CR0215	803	CR0348
580	bfcw0482nn	636	BFCW0589	692	CR0069	748	CR0217	804	CR0351
581	BFCW0483	637	BFCW0594	693	CR0070	749	CR0219	805	CR0354
582	bfcw0487n	638	BFCW0596n	694	cr0071n	750	cr0222N	806	CR0357
583	bfcw0488n	639	BFCW0598	695	CR0072	751	CR0223	807	CR0358
584	BFCW0489	640	BFCW0599	696	CR0074	752	CR0228	808	CR0359
585	BFCW0490	641	bfcw0601n	697	CR0076	753	CR0230	809	cr0360N
586	BFCW0492	642	BFCW0604	698	CR0077	754	CR0231	810	CR0365
587	BFCW0493	643	BFCW0605	699	cr0078	755	CR0232	811	cr0366
588	BFCW0500	644	BFCW0607	700	CR0079	756	CR0233	812	CR0370
589	BFCW0506	645	BFCW0608	701	CR0082	757	CR0234	813	CR0373
590	BFCW0510	646	BFCW0609	702	CR0087	758	CR0235	814	CR0389
591	BFCW0511	647	BFCW0610	703	CR0088	759	CR0236	815	CR0394
592	BFCW0513	648	CR0001	704	CR0089	760	CR0237	816	CR0396
593	BFCW0515	649	CR0002	705	CR0090	761	CR0239	817	CR0397
594	bfcw0516	650	CR0006	706	CR0093	762	CR0240	818	CR0408
595	BFCW0517	651	CR0007	707	CR0107	763	cr0247n	819	CR0412
596	BFCW0518	652	CR0008	708	CR0108	764	CR0250	820	CR0414
597	bfcw0519n	653	CR0009	709	CR0109	765	CR0251	821	CR0423
598	BFCW0520	654	CR0010	710	CR0111	766	CR0253	822	CR0427
599	BFCW0521	655	CR0011	711	CR0112	767	CR0255	823	CR0429
600	BFCW0523	656	CR0015	712	CR0113	768	CR0256	824	CR0430
601	BFCW0524	657	CR0016	713	CR0115	769	CR0270	825	CR0442
602	BFCW0525	658	cr0018n	714	CR0117	770	CR0271	826	CR0444
603	BFCW0526	659	cr0019	715	CR0118	771	CR0272	827	CR0445
604	BFCW0527	660	CR0020	716	CR0119	772	CR0273	828	CR0452
605	BFCW0529	661	CR0022	717	CR0120	773	CR0274	829	CR0453
606	BFCW0530	662	CR0023	718	CR0121	774	CR0275	830	CR0454
607	BFCW0531	663	CR0024	719	CR0124	775	CR0276	831	CR0465
608	BFCW0532	664	CR0025	720	CR0125	776	CR0277	832	CR0468
609	BFCW0534	665	cr0026	721	CR0128	777	CR0278	833	CR0469
610	BFCW0535	666	cr0027	722	cr0131n	778	CR0279	834	CR0471
611	BFCW0537	667	CR0028	723	CR0133	779	CR0280	835	CR0474
612	bfcw0539	668	CR0029	724	CR0135	780	CR0281	836	CR0476
613	bfcw0540n	669	CR0030	725	CR0136	781	CR0283	837	CR0477
614	BFCW0541	670	CR0033	726	CR0138	782	CR0285	838	CR0480
615	BFCW0542n	671	CR0038	727	CR0140	783	CR0286	839	CR0481
616	BFCW0543	672	CR0039	728	CR0143	784	CR0289	840	CR0482

Figure 6B - Continued

841	CR0483	897	CR0587	953	CR0790	1009	CR0906	1065	CR1006
842	CR0484	898	CR0590	954	CR0791	1010	CR0907	1066	CR1009
843	CR0485	899	CR0591	955	cr0792	1011	CR0909	1067	CR1010
844	CR0486	900	CR0596	956	CR0793	1012	cr0910	1068	CR1016
845	CR0487	901	CR0599	957	CR0794	1013	CR0911	1069	CR1023
846	CR0488	902	CR0609	958	cr0796N	1014	CR0912	1070	CR1028
847	CR0489	903	CR0613	959	CR0797	1015	CR0914	1071	cr1029N
848	CR0490	904	CR0614	960	CR0798	1016	CR0916	1072	CR1062
849	CR0491	905	CR0617	961	cr0807n	1017	cr0917	1073	fcr0004
850	CR0494	906	CR0618	962	CR0808	1018	CR0918	1074	FCR0009
851	CR0495	907	CR0620	963	CR0809	1019	CR0920	1075	FCR0010
852	CR0496	908	CR0623	964	CR0811	1020	CR0921	1076	fcr0014n
853	cr0499	909	CR0625	965	CR0814	1021	CR0922	1077	FCR0017
854	CR0500	910	CR0627	966	CR0816	1022	CR0923	1078	FCR0018n
855	CR0501	911	CR0632	967	CR0817	1023	CR0925	1079	FCR0019n
856	cr0503N	912	CR0634	968	CR0818	1024	CR0928	1080	FCR0020
857	CR0504	913	cr0635N	969	CR0819	1025	CR0929	1081	FCR0023
858	CR0505	914	CR0637	970	cr08221	1026	CR0930	1082	FCR0027
859	cr0506	915	CR0641	971	CR0823	1027	CR0935	1083	FCR0030
860	CR0508	916	CR0644	972	cr0824	1028	CR0936	1084	FCR0032
861	CR0515	917	CR0650	973	CR0830	1029	cr0937	1085	FCR0033
862	CR0516	918	CR0657	974	CR0831	1030	CR0938	1086	FCR0034
863	cr0517	919	CR0659	975	CR0832	1031	CR0939	1087	FCR0035
864	CR0518	920	CR0679	976	CR0834	1032	CR0940	1088	FCR0036n
865	CR0524	921	CR0682	977	CR0835	1033	CR0941	1089	fcr0038n
866	CR0525	922	CR0685	978	CR0837	1034	cr0942n	1090	fcr0039n
867	CR0526	923	CR0699	979	CR0838	1035	CR0944	1091	FCR0040
868	CR0530	924	CR0702	980	CR0839	1036	CR0946	1092	FCR0043n
869	CR0532	925	CR0703	981	CR0840	1037	CR0953	1093	FCR0045
870	CR0533	926	CR0705	982	CR0841	1038	CR0954	1094	FCR0050n
871	CR0534	927	CR0707	983	CR0843	1039	CR0955	1095	FCR0052
872	CR0535	928	CR0708	984	CR0847	1040	CR0956	1096	FCR0055
873	CR0538	929	CR0714	985	cr0849N	1041	CR0958	1097	FCR0056n
874	cr0540N	930	CR0715	986	CR0857	1042	CR0959	1098	FCR0059n
875	CR0541	931	CR0716	987	cr0858N	1043	CR0969	1099	FCR0060
876	cr0542	932	CR0718	988	CR0859	1044	CR0971	1100	FCR0061n
877	CR0544	933	CR0724	989	CR0861	1045	CR0972	1101	fcr0062nn
878	CR0545	934	CR0725	990	CR0866	1046	CR0973	1102	fcr0063n
879	CR0547	935	CR0726	991	CR0870	1047	CR0974	1103	FCR0064
880	CR0548	936	CR0729	992	CR0872	1048	CR0976	1104	FCR0065
881	CR0550	937	CR0740	993	CR0873	1049	CR0978	1105	FCR0066
882	CR0553	938	CR0744	994	CR0874	1050	CR0979	1106	FCR0067n
883	CR0554	939	CR0750	995	CR0875	1051	CR0981	1107	FCR0068
884	CR0555	940	CR0759	996	CR0877	1052	CR0983	1108	FCR0069n
885	CR0556	941	CR0768	997	CR0878	1053	CR0985	1109	FCR0072
886	CR0557	942	CR0770	998	cr0880N	1054	CR0989	1110	FCR0073
887	CR0558	943	CR0771	999	CR0881	1055	CR0991	1111	FCR0075
888	CR0562	944	CR0775	1000	CR0882	1056	CR0992	1112	FCR0077
889	cr0563n	945	CR0778	1001	CR0883	1057	CR0994	1113	FCR0079
890	CR0565	946	CR0780	1002	CR0885	1058	CR0995	1114	FCR0081
891	CR0567	947	CR0781	1003	CR0897	1059	CR0996	1115	FCR0083
892	CR0573	948	cr0784	1004	CR0899	1060	cr0999	1116	FCR0087
893	CR0577	949	CR0785	1005	CR0900	1061	CR1002	1117	FCR0088
894	CR0583	950	CR0787	1006	CR0903	1062	CR1003	1118	FCR0089
895	CR0584	951	CR0788	1007	CR0904	1063	CR1004	1119	FCR0090n
896	CR0585	952	CR0789	1008	CR0905	1064	CR1005	1120	FCR0091

Figure 6B - Continued

1121	FCR0092	1177	FCR0177	1233	FCR0265	1289	FCR0348	1345	FCR0425
1122	FCR0093	1178	FCR0179	1234	FCR0266	1290	FCR0349	1346	FCR0429
1123	FCR0098	1179	FCR0180	1235	FCR0269	1291	fc0350	1347	FCR0430
1124	FCR0099	1180	FCR0182	1236	fc0270nn	1292	fc0351N	1348	FCR0431
1125	FCR0100	1181	FCR0185	1237	FCR0272	1293	FCR0352	1349	FCR0432
1126	FCR0102	1182	FCR0186	1238	FCR0273	1294	FCR0353	1350	fc0434
1127	FCR0104	1183	FCR0187	1239	FCR0274	1295	fc0354	1351	FCR0435
1128	FCR0105	1184	FCR0188	1240	FCR0276	1296	FCR0355	1352	FCR0437
1129	FCR0107	1185	FCR0193	1241	FCR0278	1297	fc0356n	1353	FCR0438
1130	FCR0108	1186	FCR0194	1242	FCR0279	1298	FCR0358	1354	FCR0439
1131	FCR0111	1187	fc0195	1243	FCR0280	1299	FCR0360	1355	FCR0440
1132	FCR0113	1188	FCR0196	1244	FCR0282	1300	FCR0361	1356	FCR0441
1133	fc0115nn	1189	FCR0198	1245	FCR0283	1301	fc0362n	1357	fc0444
1134	FCR0116	1190	FCR0199	1246	FCR0284	1302	FCR0365	1358	FCR0447
1135	FCR0130	1191	FCR0200	1247	FCR0285	1303	FCR0366	1359	FCR0448
1136	FCR0131	1192	FCR0201	1248	FCR0287	1304	FCR0367	1360	FCR0450
1137	fc0132n	1193	FCR0202	1249	FCR0288	1305	FCR0369	1361	FCR0454
1138	FCR0133	1194	FCR0205	1250	FCR0290	1306	fc0370N	1362	FCR0455
1139	FCR0134	1195	FCR0206	1251	FCR0291	1307	FCR0371	1363	FCR0456
1140	FCR0135	1196	FCR0207	1252	FCR0292	1308	fc0372N	1364	FCR0458
1141	FCR0136	1197	FCR0208	1253	fc0293	1309	fc0373n	1365	FCR0459
1142	FCR0138	1198	FCR0209	1254	FCR0294	1310	FCR0375	1366	fc0464
1143	FCR0139	1199	FCR0211	1255	FCR0297	1311	FCR0376	1367	FCR0466
1144	FCR0140	1200	FCR0216	1256	FCR0298	1312	fc0378	1368	fc0468n
1145	FCR0141	1201	FCR0217	1257	FCR0300	1313	fc0379	1369	FCR0469
1146	FCR0142	1202	FCR0222	1258	FCR0302	1314	FCR0380	1370	FCR0470
1147	FCR0143	1203	FCR0223	1259	FCR0304	1315	FCR0383	1371	FCR0471
1148	fc0144nn	1204	FCR0224	1260	FCR0306	1316	FCR0385	1372	FCR0472
1149	fc0145nn	1205	FCR0225	1261	FCR0307	1317	FCR0388	1373	FCR0473
1150	FCR0146	1206	FCR0226	1262	FCR0309	1318	fc0389n	1374	FCR0474
1151	FCR0148	1207	FCR0227	1263	FCR0310	1319	FCR0390	1375	FCR0476
1152	FCR0149	1208	FCR0230	1264	FCR0311	1320	FCR0391	1376	FCR0477
1153	FCR0150	1209	FCR0231	1265	FCR0312	1321	FCR0392	1377	FCR0478
1154	FCR0151	1210	FCR0233	1266	fc0313N	1322	FCR0393	1378	FCR0479
1155	fc0152nn	1211	FCR0235	1267	FCR0314	1323	FCR0395	1379	FCR0481
1156	FCR0153	1212	FCR0236	1268	FCR0316	1324	FCR0398	1380	FCR0482n
1157	FCR0154	1213	FCR0237	1269	FCR0317	1325	FCR0399	1381	FCR0483
1158	FCR0155	1214	FCR0238	1270	FCR0320	1326	FCR0400	1382	FCR0485
1159	FCR0158	1215	FCR0239	1271	FCR0322	1327	FCR0401	1383	FCR0486
1160	FCR0159	1216	FCR0240	1272	FCR0324	1328	FCR0402	1384	FCR0488
1161	FCR0160	1217	FCR0242	1273	FCR0326	1329	FCR0404	1385	FCR0489
1162	FCR0161	1218	FCR0244	1274	FCR0327	1330	FCR0405	1386	FCR0490
1163	FCR0162	1219	fc0245nn	1275	FCR0328	1331	FCR0407	1387	FCR0492
1164	FCR0163	1220	fc0246n	1276	fc0329	1332	FCR0409	1388	fc0493n
1165	FCR0164	1221	FCR0247	1277	FCR0332	1333	FCR0410	1389	FCR0494
1166	FCR0166	1222	FCR0248	1278	FCR0333	1334	fc0411	1390	FCR0496
1167	FCR0167	1223	FCR0249	1279	FCR0334	1335	FCR0412	1391	FCR0497
1168	FCR0168	1224	FCR0253	1280	FCR0335	1336	FCR0413	1392	FCR0498
1169	FCR0169	1225	FCR0254	1281	fc0336n	1337	FCR0414	1393	FCR0499
1170	FCR0170	1226	FCR0257	1282	FCR0338	1338	FCR0416	1394	FCR0500
1171	FCR0171	1227	fc0258n	1283	FCR0339	1339	FCR0417	1395	FCR0501
1172	fc0172nn	1228	FCR0259	1284	FCR0340	1340	FCR0418	1396	FCR0502
1173	FCR0173	1229	FCR0260	1285	FCR0342	1341	FCR0419	1397	FCR0503
1174	FCR0174	1230	FCR0262	1286	FCR0343	1342	FCR0420	1398	fc0506nn
1175	FCR0175	1231	FCR0263	1287	FCR0344	1343	FCR0421	1399	FCR0507
1176	FCR0176	1232	FCR0264	1288	fc0346	1344	fc0422	1400	FCR0508

Figure 6B - Continued

1401	FCR0510	1457	FCR0576	1513	FCR0652N	1569	FCR0740	1625	FCR0824
1402	FCR0511	1458	FCR0578	1514	FCR0653	1570	FCR0743	1626	FCR0825
1403	FCR0513n	1459	FCR0580	1515	FCR0654	1571	FCR0748	1627	fc0826n
1404	FCR0515	1460	FCR0583	1516	FCR0658	1572	FCR0749	1628	FCR0827
1405	fc0516nn	1461	FCR0584	1517	FCR0663	1573	FCR0750	1629	FCR0828
1406	FCR0517	1462	FCR0585	1518	FCR0665	1574	FCR0751	1630	FCR0830
1407	FCR0518	1463	FCR0586	1519	FCR0666N	1575	FCR0752	1631	FCR0833
1408	FCR0519	1464	FCR0587	1520	FCR0667	1576	FCR0753	1632	FCR0834
1409	FCR0520	1465	FCR0588	1521	FCR0668	1577	FCR0755	1633	FCR0835
1410	FCR0522	1466	FCR0589	1522	FCR0669	1578	FCR0756	1634	FCR0836
1411	FCR0523	1467	FCR0593	1523	FCR0670	1579	FCR0757	1635	FCR0837N
1412	FCR0524	1468	FCR0594	1524	FCR0671	1580	FCR0758	1636	FCR0839
1413	FCR0525	1469	FCR0595	1525	FCR0674	1581	FCR0759	1637	FCR0841
1414	FCR0529	1470	FCR0596	1526	FCR0675	1582	FCR0761	1638	FCR0842
1415	FCR0530	1471	fc0597n	1527	FCR0676	1583	FCR0763	1639	FCR0843
1416	FCR0531	1472	FCR0598	1528	FCR0677	1584	FCR0765	1640	FCR0844
1417	FCR0532	1473	FCR0599	1529	FCR0680	1585	FCR0766	1641	FCR0845
1418	FCR0534	1474	FCR0601N	1530	FCR0681	1586	FCR0767	1642	FCR0846
1419	FCR0535	1475	FCR0603	1531	FCR0682	1587	FCR0768	1643	FCR0847
1420	FCR0536	1476	FCR0604	1532	FCR0683	1588	FCR0769	1644	FCR0848
1421	FCR0537	1477	FCR0605	1533	FCR0684	1589	FCR0770N	1645	FCR0849
1422	FCR0539	1478	FCR0606	1534	FCR0685	1590	FCR0771	1646	FCR0850
1423	fc0540n	1479	FCR0607	1535	FCR0686N	1591	FCR0773	1647	FCR0851
1424	FCR0541	1480	FCR0608	1536	FCR0687N	1592	FCR0774	1648	FCR0852
1425	FCR0542	1481	FCR0609	1537	fc0688n	1593	FCR0775	1649	FCR0853
1426	FCR0543	1482	fc0610	1538	FCR0689	1594	FCR0776	1650	FCR0854
1427	FCR0545	1483	FCR0611	1539	FCR0690	1595	FCR0777	1651	FCR0855
1428	FCR0546	1484	FCR0612	1540	FCR0691N	1596	FCR0778	1652	FCR0856
1429	FCR0547	1485	fc0613nn	1541	FCR0693	1597	FCR0779	1653	FCR0857
1430	FCR0548	1486	FCR0614	1542	FCR0694N	1598	FCR0781	1654	FCR0858
1431	fc0549	1487	FCR0615	1543	FCR0695	1599	FCR0785	1655	FCR0859
1432	FCR0551	1488	FCR0618	1544	FCR0696	1600	FCR0786N	1656	FCR0860
1433	FCR0552	1489	FCR0620	1545	FCR0698	1601	FCR0787	1657	FCR0861
1434	FCR0553	1490	fc0621n	1546	FCR0700	1602	FCR0788	1658	FCR0862
1435	FCR0554	1491	FCR0622	1547	FCR0701	1603	FCR0790	1659	FCR0863
1436	FCR0555	1492	FCR0623	1548	FCR0703	1604	FCR0792	1660	FCR0864
1437	FCR0556	1493	FCR0624	1549	FCR0704	1605	FCR0793N	1661	FCR0865
1438	FCR0557	1494	FCR0625	1550	FCR0705	1606	FCR0794N	1662	FCR0866
1439	FCR0558	1495	FCR0628N	1551	FCR0706	1607	fc0795n	1663	FCR0867
1440	FCR0559n	1496	FCR0629	1552	FCR0707	1608	FCR0796	1664	FCR0868
1441	FCR0560	1497	FCR0630	1553	FCR0708	1609	FCR0797	1665	FCR0870
1442	FCR0561	1498	FCR0632	1554	FCR0710	1610	FCR0798	1666	FCR0872
1443	FCR0563	1499	FCR0633	1555	FCR0711	1611	FCR0801	1667	FCR0874
1444	fc0564nn	1500	FCR0634	1556	FCR0712	1612	FCR0802	1668	FCR0875
1445	FCR0565	1501	fc0636n	1557	FCR0714N	1613	FCR0803	1669	fc0876n
1446	FCR0566	1502	FCR0637	1558	FCR0715	1614	FCR0807	1670	FCR0878
1447	FCR0567	1503	FCR0638	1559	FCR0725	1615	FCR0808	1671	FCR0879
1448	FCR0568n	1504	FCR0639	1560	FCR0726	1616	FCR0809	1672	FCR0881
1449	FCR0569	1505	FCR0640	1561	FCR0727	1617	FCR0810	1673	FCR0882
1450	FCR0570	1506	FCR0642	1562	FCR0729	1618	fc0814n	1674	FCR0884
1451	FCR0571	1507	FCR0646	1563	FCR0730	1619	FCR0815	1675	FCR0886
1452	FCR0572F	1508	FCR0647	1564	FCR0731	1620	FCR0816	1676	FCR0888
1453	FCR0572N	1509	FCR0648	1565	FCR0734	1621	FCR0817	1677	FCR0889
1454	FCR0573	1510	FCR0649	1566	FCR0735	1622	FCR0818	1678	FCR0890
1455	FCR0574	1511	FCR0650	1567	FCR0736	1623	FCR0821	1679	FCR0893
1456	FCR0575N	1512	FCR0651N	1568	FCR0739	1624	FCR0822	1680	FCR0894



Figure 6B - Continued

1681	FCR0895	1737	FCR0999	1793	FCR1088	1849	FCR1185N	1905	FCR1306
1682	fcr0898n	1738	fcr1000n	1794	FCR1090	1850	fcr1200nn	1906	FCR1308N
1683	FCR0899	1739	FCR1001	1795	FCR1091	1851	FCR1202	1907	FCR1309
1684	FCR0900	1740	FCR1003	1796	FCR1092	1852	FCR1203	1908	FCR1310
1685	FCR0901	1741	FCR1004n	1797	fcr1095	1853	FCR1204	1909	FCR1311
1686	FCR0902	1742	FCR1006	1798	FCR1097	1854	FCR1205	1910	FCR1312
1687	FCR0903	1743	FCR1007	1799	FCR1098	1855	FCR1206	1911	FCR1313
1688	FCR0904	1744	FCR1008	1800	FCR1099	1856	FCR1207	1912	FCR1316
1689	FCR0905	1745	FCR1009n	1801	fcr1100nn	1857	FCR1209	1913	fcr1317nn
1690	FCR0906	1746	FCR1010	1802	FCR1101	1858	FCR1210	1914	FCR1318
1691	FCR0908N	1747	FCR1011	1803	FCR1103	1859	FCR1212	1915	FCR1321N
1692	FCR0909	1748	FCR1012	1804	FCR1104	1860	FCR1218	1916	fcr1322n
1693	FCR0910	1749	FCR1013	1805	FCR1105N	1861	fcr1219nn	1917	FCR1323
1694	FCR0914	1750	FCR1015	1806	FCR1106	1862	fcr1220nn	1918	FCR1324
1695	FCR0915	1751	FCR1016	1807	FCR1107N	1863	fcr1221n	1919	FCR1325
1696	FCR0918	1752	FCR1017	1808	FCR1111	1864	FCR1225N	1920	FCR1326
1697	FCR0919N	1753	FCR1018	1809	FCR1113	1865	FCR1226	1921	FCR1327
1698	FCR0920	1754	fcr1019nn	1810	FCR1114	1866	FCR1235N	1922	FCR1328
1699	FCR0921	1755	FCR1020	1811	FCR1115	1867	FCR1237N	1923	FCR1329
1700	fcr0923	1756	fcr1021nn	1812	FCR1116	1868	FCR1238N	1924	FCR1330N
1701	FCR0926	1757	FCR1023	1813	FCR1117N	1869	FCR1239N	1925	FCR1331
1702	FCR0927	1758	FCR1029	1814	FCR1119	1870	FCR1241N	1926	FCR1332
1703	FCR0928	1759	FCR1031	1815	FCR1123	1871	FCR1242N	1927	FCR1333
1704	FCR0932	1760	FCR1032	1816	fcr1124nn	1872	FCR1244	1928	fcr1334
1705	FCR0935N	1761	FCR1033	1817	FCR1125	1873	FCR1246	1929	FCR1335
1706	FCR0937	1762	FCR1036	1818	FCR1126	1874	FCR1247	1930	FCR1336
1707	FCR0945	1763	FCR1037	1819	FCR1127	1875	FCR1248	1931	FCR1337
1708	FCR0946N	1764	FCR1040n	1820	FCR1133	1876	FCR1251N	1932	FCR1339
1709	FCR0947N	1765	FCR1041	1821	FCR1134	1877	FCR1252	1933	FCR1340N
1710	FCR0951	1766	FCR1042	1822	FCR1137	1878	FCR1253	1934	FCR1341
1711	FCR0952	1767	FCR1043	1823	FCR1138	1879	FCR1257	1935	FCR1343
1712	FCR0954	1768	fcr1044nn	1824	FCR1139	1880	FCR1260	1936	FCR1344
1713	FCR0955	1769	FCR1045	1825	FCR1140	1881	FCR1261	1937	FCR1345
1714	FCR0956	1770	FCR1046	1826	FCR1141N	1882	FCR1263N	1938	FCR1346
1715	FCR0963	1771	FCR1048n	1827	FCR1143	1883	FCR1271	1939	FCR1347
1716	FCR0964	1772	FCR1052	1828	FCR1146	1884	FCR1273	1940	FCR1348
1717	fcr0965n	1773	FCR1053	1829	FCR1147	1885	FCR1275	1941	FCR1349
1718	FCR0966	1774	FCR1055	1830	FCR1148	1886	FCR1276	1942	FCR1351
1719	FCR0967	1775	FCR1056	1831	FCR1149	1887	FCR1277	1943	FCR1352
1720	FCR0971	1776	FCR1057	1832	FCR1150	1888	fcr1279nn	1944	FCR1353
1721	FCR0974	1777	FCR1059	1833	FCR1152	1889	FCR1280	1945	FCR1354
1722	FCR0976	1778	FCR1060	1834	FCR1153N	1890	FCR1281	1946	FCR1356
1723	FCR0977	1779	FCR1061n	1835	FCR1156	1891	FCR1283	1947	FCR1359
1724	FCR0978	1780	FCR1062	1836	fcr1160nn	1892	FCR1285	1948	fcr1360nn
1725	FCR0984	1781	FCR1063	1837	FCR1163	1893	FCR1286	1949	FCR1361
1726	fcr0985n	1782	FCR1066	1838	FCR1168	1894	FCR1287	1950	FCR1362
1727	FCR0986	1783	FCR1068	1839	FCR1169	1895	FCR1289	1951	FCR1363N
1728	FCR0988n	1784	FCR1072	1840	FCR1170	1896	FCR1290N	1952	FCR1365
1729	FCR0989n	1785	FCR1073	1841	FCR1171N	1897	FCR1291	1953	FCR1367
1730	FCR0990	1786	FCR1074n	1842	FCR1172	1898	fcr1294nn	1954	FCR1368
1731	FCR0991	1787	FCR1078	1843	FCR1173	1899	FCR1296	1955	FCR1369
1732	FCR0992	1788	FCR1079	1844	FCR1174	1900	FCR1298	1956	FCR1370
1733	FCR0993	1789	FCR1081	1845	fcr1175n	1901	FCR1299	1957	FCR1371
1734	FCR0995	1790	FCR1082	1846	FCR1182	1902	FCR1302	1958	FCR1372
1735	FCR0996	1791	FCR1083	1847	FCR1183	1903	FCR1304	1959	FCR1373
1736	FCR0997	1792	FCR1087n	1848	FCR1184	1904	FCR1305	1960	FCR1375

Figure 6B – Continued

1961	FCR1376	2017	fcr1449n	2073	FCR1529	2129	FCR1652	2185	FCR1774
1962	FCR1377	2018	FCR1450	2074	FCR1531	2130	FCR1653	2186	FCR1775
1963	FCR1378	2019	FCR1453	2075	FCR1532	2131	FCR1654	2187	FCR1776
1964	FCR1379	2020	FCR1454	2076	FCR1533	2132	FCR1655	2188	FCR1777
1965	FCR1380N	2021	FCR1456	2077	FCR1534	2133	FCR1656N	2189	FCR1779
1966	FCR1381	2022	FCR1457	2078	FCR1535	2134	FCR1657	2190	fcr1780
1967	FCR1382	2023	FCR1458	2079	FCR1536	2135	FCR1658	2191	FCR1781
1968	FCR1384	2024	FCR1460	2080	FCR1540	2136	FCR1701	2192	FCR1782
1969	FCR1385N	2025	FCR1461	2081	FCR1541	2137	FCR1702N	2193	FCR1783
1970	FCR1386	2026	FCR1462	2082	FCR1542	2138	FCR1704	2194	FCR1784N
1971	fcr1387n	2027	FCR1463	2083	FCR1554	2139	FCR1705	2195	FCR1786
1972	FCR1388N	2028	FCR1464	2084	FCR1555	2140	FCR1713	2196	FCR1787
1973	FCR1389	2029	FCR1465	2085	FCR1556	2141	FCR1714	2197	FCR1790
1974	FCR1390	2030	FCR1466	2086	FCR1557	2142	FCR1716	2198	FCR1791
1975	FCR1391N	2031	FCR1468	2087	FCR1558	2143	FCR1717	2199	FCR1792
1976	FCR1392	2032	fcr1469nn	2088	fcr1559n	2144	FCR1719	2200	FCR1795
1977	FCR1393	2033	FCR1470	2089	FCR1561	2145	FCR1720	2201	FCR1797
1978	FCR1394	2034	FCR1472	2090	FCR1562	2146	FCR1724	2202	FCR1817
1979	FCR1395	2035	FCR1473	2091	FCR1563	2147	FCR1726	2203	FCR1818
1980	FCR1396	2036	FCR1475	2092	FCR1565	2148	fcr1727n	2204	FCR1819
1981	FCR1399	2037	FCR1477	2093	FCR1566	2149	fcr1728nn	2205	FCR1820
1982	FCR1400	2038	FCR1478	2094	fcr1579nn	2150	FCR1729	2206	fcr1821nn
1983	FCR1402	2039	FCR1479	2095	FCR1580	2151	FCR1731	2207	FCR1823
1984	FCR1404	2040	FCR1481	2096	FCR1582	2152	FCR1732	2208	FCR1826
1985	FCR1405N	2041	FCR1483	2097	FCR1585	2153	FCR1735	2209	FCR1828
1986	FCR1407N	2042	FCR1484	2098	FCR1587	2154	fcr1736n	2210	FCR1829
1987	FCR1408	2043	FCR1485	2099	FCR1589	2155	FCR1737	2211	FCR1830
1988	FCR1411	2044	FCR1486	2100	fcr1590nn	2156	FCR1738N	2212	FCR1831
1989	FCR1414	2045	FCR1487	2101	FCR1596N	2157	FCR1740	2213	FCR1832
1990	FCR1415	2046	FCR1489	2102	fcr1597	2158	FCR1741	2214	FCR1833
1991	fcr1416nn	2047	FCR1490	2103	FCR1598N	2159	FCR1742	2215	FCR1836
1992	fcr1418	2048	FCR1492	2104	FCR1599N	2160	fcr1743nn	2216	FCR1837N
1993	FCR1419	2049	FCR1493	2105	FCR1604	2161	FCR1745	2217	FCR1838
1994	FCR1420	2050	FCR1494	2106	FCR1605	2162	FCR1746	2218	FCR1839N
1995	FCR1421N	2051	FCR1495N	2107	FCR1608	2163	FCR1747	2219	fcr1840nn
1996	FCR1422	2052	FCR1496	2108	FCR1609	2164	FCR1748	2220	FCR1844
1997	FCR1423	2053	fcr1497n	2109	FCR1611	2165	FCR1749	2221	FCR1845
1998	FCR1425	2054	FCR1498	2110	FCR1612	2166	FCR1750	2222	FCR1848
1999	FCR1426	2055	FCR1499	2111	FCR1614	2167	fcr1752nn	2223	FCR1852
2000	FCR1427	2056	FCR1502	2112	fcr1616nn	2168	FCR1753N	2224	FCR1853
2001	FCR1428	2057	FCR1503	2113	FCR1619	2169	FCR1754	2225	FCR1855
2002	FCR1429	2058	FCR1504	2114	FCR1621	2170	FCR1755	2226	FCR1857
2003	FCR1430	2059	FCR1507	2115	FCR1623	2171	FCR1756	2227	FCR1858
2004	FCR1431	2060	FCR1509	2116	FCR1625	2172	FCR1757	2228	FCR1859
2005	FCR1434	2061	FCR1510	2117	FCR1626	2173	FCR1758	2229	FCR1860
2006	FCR1435	2062	FCR1511	2118	FCR1627	2174	FCR1759N	2230	FCR1861
2007	FCR1436	2063	FCR1512	2119	FCR1629	2175	FCR1760	2231	FCR1879N
2008	FCR1438	2064	FCR1514	2120	FCR1633	2176	fcr1761nn	2232	FCR1880
2009	FCR1439	2065	FCR1515N	2121	FCR1638	2177	FCR1762	2233	FCR1881N
2010	fcr1440	2066	FCR1516	2122	FCR1642	2178	FCR1763	2234	FCR1883N
2011	FCR1442	2067	FCR1521	2123	FCR1643	2179	FCR1764	2235	FCR1885
2012	FCR1443N	2068	FCR1522	2124	FCR1644	2180	FCR1768	2236	FCR1887
2013	FCR1445	2069	fcr1524nn	2125	FCR1645	2181	FCR1769	2237	FCR1891
2014	FCR1446	2070	FCR1525	2126	FCR1646	2182	FCR1770	2238	FCR1900N
2015	fcr1447n	2071	FCR1526	2127	FCR1647	2183	FCR1771	2239	FCR1905
2016	FCR1448	2072	FCR1528	2128	FCR1651	2184	FCR1772	2240	FCR1907

Figure 6B - Continued

2241	FCR1908N	2297	FCR1985	2353	FCR2067	2409	FCR2140	2465	FCR2231
2242	FCR1909	2298	FCR1986	2354	FCR2068	2410	FCR2141	2466	FCR2233
2243	FCR1910	2299	FCR1987	2355	FCR2069	2411	FCR2142	2467	FCR2234
2244	FCR1912	2300	FCR1989	2356	FCR2073	2412	FCR2143	2468	FCR2235N
2245	FCR1913	2301	FCR1990	2357	FCR2074	2413	FCR2144	2469	FCR2237N
2246	FCR1914	2302	FCR1991	2358	FCR2075	2414	FCR2146	2470	FCR2239
2247	FCR1918	2303	FCR1992	2359	FCR2076	2415	FCR2147	2471	FCR2240
2248	FCR1919	2304	FCR1993	2360	fcr2078n	2416	FCR2148	2472	FCR2241
2249	FCR1921	2305	FCR1994	2361	FCR2079	2417	FCR2149	2473	FCR2242
2250	FCR1922	2306	FCR1995	2362	FCR2080	2418	FCR2152	2474	FCR2243
2251	FCR1925	2307	FCR1997	2363	FCR2081	2419	FCR2153	2475	FCR2246
2252	FCR1926	2308	FCR1998	2364	fcr2082n	2420	fcr2157nn	2476	FCR2248N
2253	FCR1927	2309	FCR1999	2365	FCR2083	2421	fcr2158n	2477	fcr2249nn
2254	fcr1928n	2310	FCR2000	2366	FCR2088	2422	fcr2159n	2478	FCR2250
2255	FCR1929	2311	FCR2002	2367	FCR2089	2423	FCR2160	2479	FCR2251
2256	FCR1930	2312	FCR2003	2368	FCR2090N	2424	FCR2161	2480	FCR2253
2257	FCR1931	2313	FCR2005N	2369	FCR2092	2425	FCR2164	2481	FCR2255
2258	FCR1932	2314	FCR2006	2370	FCR2093N	2426	FCR2165	2482	FCR2256
2259	fcr1936nn	2315	FCR2007	2371	FCR2095	2427	FCR2166	2483	fcr2264nn
2260	fcr1937nn	2316	FCR2008	2372	FCR2096	2428	FCR2167	2484	FCR2265
2261	FCR1938	2317	FCR2009	2373	FCR2097N	2429	fcr2168n	2485	FCR2266
2262	FCR1940	2318	FCR2012N	2374	FCR2099	2430	FCR2172	2486	FCR2267
2263	FCR1941	2319	fcr2013	2375	FCR2102	2431	FCR2174N	2487	FCR2268
2264	FCR1942	2320	FCR2014	2376	FCR2103	2432	FCR2175	2488	FCR2269
2265	FCR1943	2321	FCR2015	2377	FCR2105	2433	FCR2178	2489	FCR2273
2266	FCR1945	2322	FCR2016	2378	FCR2106	2434	FCR2180N	2490	FCR2274
2267	FCR1946N	2323	fcr2017nn	2379	FCR2107	2435	FCR2182	2491	FCR2275
2268	FCR1947	2324	FCR2018	2380	FCR2108	2436	FCR2185	2492	FCR2276
2269	FCR1948	2325	FCR2019N	2381	FCR2109	2437	FCR2186	2493	FCR2277
2270	FCR1949	2326	FCR2020	2382	FCR2110	2438	FCR2187	2494	FCR2278
2271	FCR1951	2327	FCR2026	2383	FCR2113	2439	FCR2188	2495	fcr2279n
2272	FCR1953	2328	fcr2027nn	2384	FCR2114	2440	FCR2189	2496	FCR2280
2273	FCR1955	2329	FCR2030	2385	FCR2115	2441	FCR2190	2497	FCR2281
2274	FCR1957N	2330	FCR2032	2386	FCR2116	2442	FCR2192	2498	FCR2282
2275	FCR1959	2331	FCR2034N	2387	FCR2117	2443	FCR2193N	2499	FCR2283
2276	fcr1960nn	2332	FCR2035	2388	FCR2118	2444	FCR2195	2500	FCR2284
2277	FCR1961	2333	FCR2037	2389	FCR2119	2445	FCR2196	2501	FCR2285
2278	FCR1963	2334	FCR2038	2390	FCR2120	2446	FCR2198	2502	FCR2286
2279	FCR1964	2335	FCR2039	2391	fcr2121n	2447	FCR2199	2503	FCR2287
2280	fcr1965	2336	FCR2040	2392	FCR2122	2448	FCR2200	2504	fcr2288nn
2281	FCR1967	2337	FCR2041	2393	FCR2123	2449	FCR2201	2505	FCR2289
2282	fcr1969nn	2338	FCR2042	2394	FCR2124	2450	fcr2202n	2506	FCR2290
2283	FCR1970	2339	FCR2043	2395	FCR2125	2451	FCR2203	2507	FCR2292
2284	FCR1971	2340	FCR2044	2396	FCR2126	2452	FCR2207	2508	FCR2293
2285	FCR1972	2341	FCR2045	2397	FCR2127	2453	FCR2208	2509	FCR2294
2286	FCR1973	2342	FCR2046	2398	FCR2128	2454	FCR2209	2510	FCR2295
2287	FCR1974	2343	FCR2047	2399	FCR2129	2455	FCR2210	2511	FCR2296
2288	FCR1975	2344	FCR2049	2400	FCR2130	2456	FCR2215	2512	FCR2297
2289	FCR1976	2345	FCR2051	2401	FCR2131	2457	FCR2216	2513	fcr2298n
2290	fcr1977nn	2346	FCR2052	2402	FCR2132	2458	FCR2218	2514	FCR2299
2291	fcr1978nn	2347	fcr2053n	2403	FCR2134	2459	FCR2220	2515	FCR2301
2292	FCR1979	2348	FCR2054	2404	FCR2135	2460	FCR2224	2516	fcr2302n
2293	FCR1980	2349	FCR2055	2405	FCR2136	2461	FCR2227	2517	FCR2303
2294	FCR1981	2350	FCR2056	2406	fcr2137n	2462	FCR2228	2518	FCR2304N
2295	FCR1983	2351	FCR2058	2407	FCR2138N	2463	FCR2229	2519	FCR2306
2296	FCR1984	2352	FCR2062	2408	FCR2139	2464	FCR2230	2520	FCR2307

Figure 6B - Continued

2521	FCR2308	2577	FCR2430	2633	FCR2547N	2689	FCR2665	2745	FCR2763
2522	FCR2310	2578	FCR2432N	2634	fcr2554nn	2690	FCR2667	2746	fcr2764nn
2523	FCR2311	2579	FCR2433	2635	fcr2556n	2691	FCR2669	2747	FCR2765
2524	FCR2312	2580	FCR2435	2636	FCR2562	2692	FCR2671	2748	FCR2766
2525	FCR2313N	2581	FCR2437	2637	FCR2569	2693	FCR2672	2749	FCR2769
2526	FCR2314	2582	FCR2442	2638	fcr2571n	2694	FCR2673	2750	FCR2770
2527	FCR2316	2583	FCR2443	2639	FCR2572	2695	FCR2679	2751	FCR2771
2528	FCR2317	2584	FCR2444	2640	FCR2573	2696	FCR2681	2752	FCR2772
2529	FCR2319	2585	FCR2445	2641	FCR2580	2697	FCR2682N	2753	FCR2775N
2530	FCR2320	2586	FCR2447	2642	FCR2581	2698	FCR2683	2754	FCR2776
2531	FCR2321	2587	FCR2449	2643	FCR2582	2699	FCR2684	2755	FCR2778
2532	FCR2322	2588	FCR2450	2644	FCR2585	2700	FCR2685	2756	FCR2779
2533	FCR2323	2589	FCR2472	2645	FCR2587	2701	FCR2686	2757	FCR2781
2534	FCR2326	2590	FCR2473	2646	fcr2588n	2702	FCR2687	2758	FCR2782
2535	FCR2327	2591	FCR2474	2647	fcr2589n	2703	FCR2688	2759	FCR2784N
2536	FCR2328N	2592	FCR2475	2648	fcr2591n	2704	FCR2689	2760	FCR2798
2537	FCR2329	2593	fcr2476n	2649	FCR2593	2705	FCR2692	2761	FCR2801
2538	FCR2330	2594	FCR2477	2650	FCR2596	2706	FCR2694	2762	FCR2802
2539	FCR2331	2595	FCR2480	2651	FCR2598	2707	FCR2698	2763	FCR2806
2540	FCR2332	2596	FCR2481	2652	FCR2600	2708	FCR2700	2764	FCR2807
2541	FCR2333	2597	FCR2482	2653	FCR2601	2709	FCR2702	2765	FCR2809
2542	fcr2334nn	2598	FCR2484	2654	FCR2602	2710	FCR2704	2766	FCR2810
2543	FCR2335	2599	FCR2485	2655	fcr2605n	2711	fcr2707nn	2767	FCR2812
2544	FCR2336	2600	fcr2486nn	2656	FCR2607	2712	FCR2711	2768	FCR2813
2545	FCR2337	2601	FCR2490	2657	FCR2608	2713	FCR2712	2769	FCR2814N
2546	FCR2338	2602	FCR2491	2658	FCR2609	2714	FCR2714	2770	fcr2815nn
2547	FCR2339	2603	FCR2492N	2659	FCR2610	2715	FCR2716	2771	FCR2817
2548	FCR2340	2604	FCR2493	2660	FCR2611	2716	FCR2718	2772	FCR2818
2549	FCR2341	2605	FCR2494	2661	FCR2612	2717	FCR2719	2773	FCR2821
2550	FCR2342	2606	fcr2495nn	2662	fcr2618	2718	FCR2720	2774	FCR2822
2551	FCR2343	2607	FCR2498	2663	FCR2619	2719	FCR2721	2775	FCR2823
2552	FCR2345	2608	FCR2499	2664	FCR2620	2720	FCR2722	2776	FCR2824
2553	FCR2349	2609	FCR2500	2665	FCR2621	2721	FCR2724	2777	FCR2836
2554	FCR2351	2610	FCR2501	2666	fcr2622n	2722	FCR2726	2778	FCR2838
2555	fcr2352n	2611	FCR2503	2667	fcr2624n	2723	FCR2727	2779	FCR2840
2556	FCR2354	2612	FCR2504	2668	fcr2625n	2724	FCR2729	2780	FCR2841
2557	FCR2355	2613	fcr2505nn	2669	FCR2626	2725	fcr2732nn	2781	FCR2842N
2558	FCR2356N	2614	FCR2507	2670	FCR2627	2726	FCR2735	2782	FCR2848N
2559	FCR2357	2615	FCR2508	2671	FCR2628	2727	FCR2737	2783	FCR2853N
2560	FCR2358	2616	FCR2509	2672	FCR2629	2728	FCR2738	2784	FCR2859
2561	FCR2361	2617	FCR2510	2673	FCR2631	2729	FCR2740	2785	FCR2860
2562	FCR2362	2618	FCR2511	2674	FCR2633	2730	FCR2741	2786	FCR2861
2563	FCR2410	2619	FCR2512	2675	FCR2636	2731	FCR2742N	2787	FCR2864
2564	FCR2411	2620	FCR2528N	2676	FCR2637N	2732	FCR2743	2788	FCR2867
2565	FCR2412	2621	FCR2530	2677	FCR2638	2733	FCR2746	2789	FCR2868
2566	FCR2414	2622	FCR2531	2678	FCR2640	2734	FCR2749	2790	FCR2869
2567	fcr2415n	2623	FCR2535	2679	FCR2641	2735	FCR2750	2791	FCR2872
2568	FCR2416	2624	FCR2536	2680	FCR2642	2736	FCR2752N	2792	FCR2873
2569	FCR2417	2625	FCR2537	2681	FCR2644	2737	FCR2753	2793	FCR2877
2570	FCR2418	2626	fcr2538nn	2682	FCR2646	2738	FCR2755	2794	FCR2878
2571	FCR2419	2627	fcr2539nn	2683	FCR2647	2739	FCR2756	2795	FCR2882
2572	FCR2420	2628	FCR2540	2684	FCR2648	2740	FCR2757	2796	FCR2883
2573	FCR2421	2629	FCR2541	2685	FCR2660	2741	FCR2759	2797	FCR2884
2574	FCR2424	2630	FCR2542N	2686	FCR2661	2742	fcr2760nn	2798	FCR2885
2575	FCR2425	2631	FCR2543	2687	FCR2662	2743	FCR2761	2799	FCR2886
2576	FCR2427	2632	FCR2546N	2688	fcr2664n	2744	FCR2762	2800	FCR2889

Figure 6B - Continued

2801	FCR2890	2857	FCR2980	2913	FCR3063	2969	FCR3145	3025	fc3295
2802	FCR2891	2858	FCR2982	2914	FCR3064	2970	fc3146	3026	FCR3297
2803	FCR2892	2859	FCR2984	2915	FCR3065	2971	FCR3147N	3027	FCR3298
2804	FCR2893	2860	fc2985n	2916	FCR3066	2972	fc3148	3028	FCR3299
2805	FCR2896	2861	FCR2986	2917	FCR3067	2973	fc3149	3029	FCR3301
2806	FCR2897	2862	FCR2987	2918	FCR3068	2974	FCR3151	3030	FCR3306
2807	fc2898nn	2863	FCR2988	2919	FCR3069	2975	FCR3152	3031	FCR3312
2808	FCR2906	2864	FCR2989	2920	FCR3070	2976	FCR3153	3032	fc3318n
2809	FCR2907	2865	FCR2990	2921	FCR3071	2977	FCR3155	3033	FCR3320
2810	FCR2908	2866	FCR2991	2922	FCR3072N	2978	FCR3156	3034	fc3321n
2811	FCR2909	2867	FCR2999	2923	FCR3073	2979	FCR3158	3035	FCR3322
2812	fc2911n	2868	FCR3001	2924	FCR3074	2980	FCR3159	3036	FCR3323
2813	FCR2912N	2869	FCR3004N	2925	FCR3075N	2981	FCR3163	3037	FCR3327
2814	FCR2913N	2870	FCR3005	2926	FCR3076	2982	FCR3165	3038	FCR3328
2815	FCR2914N	2871	FCR3006	2927	FCR3077	2983	FCR3167	3039	fc3331n
2816	FCR2915	2872	FCR3007	2928	FCR3078	2984	FCR3168	3040	FCR3332
2817	FCR2917	2873	FCR3008	2929	FCR3079	2985	FCR3169	3041	FCR3338
2818	FCR2918	2874	FCR3009	2930	FCR3080	2986	FCR3170	3042	FCR3355
2819	FCR2920	2875	FCR3010	2931	FCR3081	2987	FCR3171	3043	FCR3357
2820	FCR2921	2876	FCR3013	2932	FCR3083	2988	FCR3173N	3044	FCR3359
2821	FCR2923	2877	FCR3014	2933	FCR3085N	2989	FCR3174	3045	FCR3361
2822	FCR2927	2878	FCR3016	2934	FCR3092	2990	FCR3175	3046	FCR3364
2823	FCR2929	2879	FCR3018	2935	FCR3094	2991	FCR3178	3047	FCR3367
2824	FCR2935	2880	FCR3019	2936	FCR3097	2992	FCR3179	3048	fc3368n
2825	FCR2937	2881	FCR3020	2937	FCR3098	2993	FCR3180	3049	FCR3369
2826	fc2938n	2882	FCR3021	2938	FCR3100	2994	FCR3181	3050	FCR3370
2827	FCR2939N	2883	FCR3022	2939	FCR3101	2995	FCR3185	3051	FCR3371
2828	FCR2940	2884	FCR3023	2940	FCR3102	2996	FCR3187	3052	FCR3372
2829	FCR2941	2885	FCR3024N	2941	FCR3104	2997	fc3188	3053	fc3375n
2830	FCR2946	2886	FCR3025	2942	FCR3106	2998	FCR3189	3054	FCR3376
2831	FCR2947	2887	FCR3029	2943	fc3108	2999	FCR3193	3055	FCR3377
2832	FCR2949	2888	FCR3030	2944	fc3109	3000	FCR3199	3056	FCR3378
2833	FCR2950	2889	FCR3032	2945	fc3110	3001	FCR3200	3057	FCR3379
2834	FCR2951	2890	FCR3033	2946	fc3111	3002	FCR3201	3058	FCR3380
2835	FCR2952	2891	FCR3034	2947	FCR3112	3003	FCR3203	3059	FCR3381
2836	FCR2953	2892	FCR3035	2948	FCR3113	3004	fc3206n	3060	FCR3382
2837	FCR2955	2893	FCR3037N	2949	fc3114	3005	FCR3254	3061	FCR3384
2838	FCR2957	2894	fc3038	2950	FCR3115N	3006	fc3256	3062	FCR3386
2839	FCR2958	2895	FCR3039	2951	fc3117	3007	FCR3259	3063	FCR3387
2840	FCR2959	2896	FCR3042	2952	FCR3118	3008	FCR3260	3064	FCR3389
2841	FCR2960	2897	FCR3043	2953	FCR3119	3009	FCR3266	3065	fc3392n
2842	FCR2961	2898	FCR3045	2954	FCR3121	3010	FCR3267	3066	FCR3396
2843	FCR2962	2899	FCR3046N	2955	FCR3122	3011	FCR3269	3067	FCR3397
2844	FCR2963	2900	FCR3047	2956	fc3124n	3012	FCR3270	3068	FCR3398
2845	FCR2966	2901	FCR3049	2957	FCR3125	3013	FCR3271	3069	FCR3399
2846	FCR2967	2902	FCR3050	2958	FCR3126	3014	FCR3272	3070	FCR3400
2847	FCR2968	2903	FCR3051	2959	FCR3132	3015	FCR3274	3071	FCR3401
2848	FCR2969	2904	FCR3052N	2960	fc3133	3016	FCR3275	3072	FCR3402
2849	FCR2970	2905	FCR3053	2961	FCR3134N	3017	FCR3276	3073	fc3410
2850	FCR2972	2906	FCR3054	2962	fc3138	3018	FCR3277	3074	FCR3416
2851	FCR2973	2907	FCR3056	2963	FCR3139	3019	FCR3278	3075	FCR3418
2852	FCR2974	2908	FCR3057	2964	fc3140	3020	FCR3282	3076	fc3422
2853	FCR2975	2909	FCR3058	2965	fc3141	3021	FCR3283	3077	FCR3424
2854	FCR2977	2910	FCR3060	2966	fc3142	3022	FCR3286	3078	FCR3430
2855	FCR2978	2911	FCR3061	2967	FCR3143	3023	FCR3287	3079	FCR3431
2856	fc2979n	2912	FCR3062	2968	fc3144	3024	FCR3290	3080	FCR3435

Figure 6B - Continued

3081	FCR3436	3137	FCR3540	3193	FCR3626	3249	fc3720n	3305	FCR3803
3082	FCR3440	3138	FCR3541	3194	FCR3629	3250	fc3721n	3306	fc3805n
3083	FCR3441	3139	FCR3542	3195	FCR3632	3251	FCR3723	3307	fc3806n
3084	FCR3443	3140	FCR3543	3196	fc3633	3252	FCR3724	3308	fc3809n
3085	FCR3445	3141	FCR3545	3197	fc3635n	3253	FCR3725	3309	fc3810N
3086	FCR3447	3142	FCR3548	3198	FCR3637	3254	fc3726n	3310	FCR3812
3087	FCR3449	3143	FCR3549	3199	FCR3639	3255	FCR3727	3311	FCR3813
3088	FCR3451	3144	FCR3550	3200	FCR3654	3256	FCR3728	3312	fc3815N
3089	FCR3453	3145	fc3551n	3201	fc3655n	3257	FCR3729	3313	FCR3816
3090	FCR3455	3146	fc3553n	3202	FCR3656	3258	fc3730	3314	fc3817n
3091	fc3457n	3147	FCR3554	3203	FCR3657	3259	FCR3731	3315	FCR3818
3092	FCR3458	3148	FCR3555	3204	FCR3658	3260	FCR3732	3316	FCR3819
3093	FCR3460	3149	FCR3557	3205	FCR3660	3261	FCR3733	3317	FCR3821
3094	FCR3461	3150	FCR3559	3206	FCR3661	3262	FCR3734	3318	FCR3822
3095	fc3462	3151	FCR3560	3207	FCR3662	3263	FCR3735	3319	FCR3823
3096	FCR3463	3152	FCR3561	3208	FCR3663	3264	FCR3736	3320	FCR3825
3097	FCR3464	3153	fc3562n	3209	FCR3664	3265	fc3739n	3321	FCR3826
3098	FCR3466	3154	FCR3564	3210	FCR3665	3266	FCR3740	3322	fc3827
3099	FCR3467	3155	FCR3565	3211	fc3666	3267	FCR3743	3323	FCR3829
3100	FCR3469	3156	FCR3566	3212	fc3667n	3268	FCR3744	3324	FCR3831
3101	FCR3471	3157	FCR3568	3213	fc3670n	3269	FCR3746	3325	FCR3832
3102	FCR3472	3158	FCR3569	3214	fc3673	3270	FCR3747	3326	FCR3833
3103	FCR3478	3159	FCR3570	3215	fc3675n	3271	FCR3749	3327	FCR3835
3104	FCR3479	3160	FCR3571	3216	fc3676n	3272	FCR3750	3328	fc3837N
3105	FCR3482	3161	FCR3574	3217	fc3677n	3273	FCR3752	3329	FCR3839
3106	FCR3483	3162	FCR3575	3218	fc3678n	3274	FCR3754	3330	FCR3840
3107	FCR3485	3163	FCR3576	3219	fc3679n	3275	fc3756	3331	FCR3841
3108	FCR3487	3164	FCR3577	3220	FCR3680	3276	fc3757	3332	FCR3843
3109	FCR3488	3165	FCR3579	3221	fc3682n	3277	fc3758	3333	FCR3845
3110	FCR3490	3166	FCR3580	3222	FCR3685	3278	FCR3759	3334	fc3847
3111	FCR3491	3167	FCR3581	3223	FCR3686	3279	FCR3760	3335	fc3849n
3112	FCR3492	3168	FCR3582	3224	FCR3687	3280	FCR3761	3336	fc3851n
3113	fc3494n	3169	FCR3584	3225	fc3689	3281	FCR3763	3337	fc3852n
3114	fc3495n	3170	FCR3585	3226	FCR3690	3282	FCR3764	3338	fc3853
3115	FCR3497	3171	FCR3586	3227	FCR3691	3283	FCR3766	3339	FCR3856
3116	FCR3498	3172	FCR3587	3228	FCR3695	3284	FCR3768	3340	FCR3857
3117	FCR3500	3173	FCR3590	3229	FCR3698	3285	FCR3769	3341	FCR3858
3118	FCR3503	3174	FCR3592	3230	FCR3699	3286	FCR3770	3342	FCR3861
3119	FCR3504	3175	FCR3593	3231	FCR3700	3287	FCR3772	3343	fc3863N
3120	FCR3505	3176	FCR3594	3232	FCR3701	3288	fc3773	3344	FCR3865
3121	FCR3508	3177	FCR3595	3233	FCR3702	3289	FCR3777	3345	FCR3867
3122	fc3509n	3178	FCR3599	3234	FCR3703	3290	FCR3779	3346	FCR3868
3123	FCR3512	3179	FCR3601	3235	FCR3704	3291	FCR3780	3347	fc3869
3124	FCR3513	3180	FCR3602	3236	FCR3705	3292	fc3785n	3348	fc3869n
3125	FCR3514	3181	FCR3603	3237	FCR3706	3293	fc3789n	3349	FCR3877
3126	FCR3518	3182	FCR3608	3238	FCR3707	3294	FCR3790	3350	FCR3878
3127	fc3522n	3183	fc3612n	3239	FCR3708	3295	FCR3791	3351	FCR3879
3128	fc3524n	3184	FCR3614	3240	FCR3710	3296	fc3792	3352	FCR3880
3129	FCR3525	3185	FCR3615	3241	fc3711N	3297	FCR3793	3353	FCR3883
3130	FCR3528	3186	FCR3617	3242	FCR3712	3298	FCR3794	3354	FCR3884
3131	FCR3530	3187	FCR3618	3243	fc3713n	3299	FCR3795	3355	FCR3885
3132	fc3534n	3188	FCR3620	3244	FCR3714	3300	fc3796	3356	FCR3889
3133	FCR3535	3189	FCR3621	3245	FCR3715	3301	FCR3798	3357	FCR3890
3134	FCR3536	3190	FCR3622	3246	FCR3716	3302	FCR3799	3358	FCR3892
3135	FCR3538	3191	FCR3623	3247	FCR3717	3303	FCR3800	3359	FCR3894
3136	FCR3539	3192	FCR3624	3248	FCR3719	3304	fc3802N	3360	FCR3897

Figure 6B - Continued

3361	FCR3898	3417	FCR4007	3473	FCR4092	3529	fc4210n	3585	FCR4319
3362	fc3902	3418	FCR4009	3474	FCR4095	3530	FCR4211	3586	FCR4324
3363	FCR3903	3419	FCR4010	3475	FCR4096	3531	FCR4212	3587	FCR4326
3364	fc3904n	3420	FCR4011	3476	FCR4097	3532	FCR4213	3588	FCR4328
3365	FCR3907	3421	FCR4012	3477	FCR4099	3533	FCR4214	3589	FCR4330
3366	fc3908	3422	FCR4013	3478	FCR4101	3534	FCR4215	3590	FCR4331
3367	FCR3909	3423	FCR4014	3479	FCR4106	3535	FCR4216	3591	FCR4332
3368	FCR3910	3424	FCR4015	3480	FCR4107	3536	FCR4218	3592	FCR4333
3369	FCR3911	3425	FCR4016N	3481	FCR4108	3537	fc4219n	3593	FCR4334
3370	FCR3912	3426	FCR4017	3482	FCR4109	3538	FCR4220	3594	FCR4336N
3371	fc3913n	3427	FCR4018	3483	FCR4110	3539	FCR4221	3595	fc4337n
3372	fc3914n	3428	FCR4019	3484	FCR4111	3540	FCR4224	3596	FCR4340
3373	FCR3915	3429	FCR4020	3485	FCR4112	3541	FCR4225	3597	FCR4341
3374	FCR3916N	3430	fc4021nn	3486	FCR4113	3542	FCR4226	3598	FCR4342
3375	FCR3918	3431	FCR4022	3487	fc4114n	3543	FCR4227	3599	FCR4344
3376	FCR3919N	3432	FCR4024	3488	FCR4116	3544	FCR4228	3600	FCR4347N
3377	FCR3920	3433	FCR4026	3489	FCR4117	3545	FCR4232	3601	FCR4348
3378	FCR3922	3434	FCR4027	3490	fc4118nn	3546	fc4233	3602	FCR4349
3379	fc3924	3435	FCR4029	3491	FCR4125	3547	FCR4238	3603	FCR4350
3380	FCR3928	3436	FCR4030	3492	FCR4127N	3548	FCR4240	3604	fc4351n
3381	FCR3932	3437	FCR4031N	3493	FCR4128	3549	fc4242n	3605	FCR4353N
3382	FCR3934	3438	FCR4033	3494	FCR4129	3550	FCR4243	3606	FCR4354
3383	FCR3936	3439	FCR4034	3495	FCR4131	3551	FCR4246	3607	FCR4355
3384	FCR3939	3440	FCR4035	3496	FCR4134	3552	fc4259	3608	FCR4357
3385	FCR3940	3441	FCR4037	3497	FCR4135	3553	FCR4260	3609	FCR4359
3386	FCR3941	3442	FCR4039	3498	FCR4137	3554	FCR4264	3610	FCR4361
3387	FCR3943	3443	FCR4040	3499	FCR4138	3555	FCR4266	3611	FCR4363
3388	FCR3944	3444	FCR4043	3500	fc4141nn	3556	FCR4271	3612	FCR4364
3389	fc3945n	3445	FCR4044	3501	FCR4143	3557	FCR4272	3613	FCR4365
3390	FCR3946	3446	FCR4045	3502	FCR4146	3558	FCR4274	3614	FCR4366
3391	FCR3947N	3447	FCR4046	3503	FCR4147	3559	fc4275	3615	FCR4367
3392	FCR3948	3448	FCR4048	3504	FCR4148	3560	FCR4278	3616	FCR4368
3393	FCR3949	3449	FCR4049	3505	FCR4149	3561	FCR4280	3617	FCR4370
3394	FCR3950	3450	FCR4051	3506	FCR4150	3562	FCR4281	3618	FCR4371
3395	FCR3951	3451	FCR4052	3507	FCR4152	3563	FCR4283	3619	fc4372n
3396	FCR3952N	3452	FCR4056	3508	FCR4154	3564	FCR4285	3620	FCR4373
3397	FCR3953	3453	FCR4057	3509	FCR4155	3565	fc4286n	3621	FCR4376
3398	FCR3955	3454	FCR4058	3510	fc4157n	3566	FCR4287	3622	FCR4378
3399	FCR3957	3455	FCR4059	3511	FCR4159	3567	FCR4289	3623	FCR4379
3400	FCR3960N	3456	FCR4060	3512	FCR4160	3568	FCR4292	3624	FCR4380
3401	FCR3962	3457	FCR4062	3513	FCR4163	3569	FCR4294	3625	FCR4382
3402	FCR3972	3458	fc4063n	3514	FCR4164	3570	FCR4295	3626	FCR4385
3403	FCR3973	3459	FCR4065	3515	FCR4166	3571	FCR4298	3627	FCR4386
3404	FCR3974	3460	FCR4071	3516	FCR4167	3572	FCR4299	3628	FCR4388N
3405	FCR3977	3461	FCR4072	3517	FCR4172	3573	fc4300	3629	FCR4390
3406	FCR3981	3462	FCR4073N	3518	FCR4174	3574	FCR4301	3630	FCR4393
3407	fc3982nn	3463	fc4075n	3519	FCR4175	3575	FCR4302	3631	fc4394nn
3408	FCR3983	3464	FCR4076	3520	FCR4181	3576	FCR4304	3632	FCR4395N
3409	fc3984nn	3465	FCR4078	3521	FCR4198	3577	FCR4305	3633	FCR4397
3410	FCR3985	3466	FCR4079	3522	FCR4201	3578	FCR4306	3634	FCR4398
3411	FCR3986	3467	FCR4082	3523	FCR4203	3579	FCR4308	3635	FCR4399
3412	FCR3987	3468	FCR4084	3524	FCR4205	3580	FCR4311	3636	FCR4400
3413	fc3988n	3469	FCR4085	3525	FCR4206	3581	FCR4313	3637	FCR4401
3414	FCR3990	3470	FCR4086	3526	FCR4207	3582	FCR4315	3638	FCR4402
3415	FCR3993	3471	FCR4089	3527	FCR4208	3583	FCR4316	3639	fc4403
3416	FCR4006	3472	fc4090nn	3528	FCR4209	3584	FCR4318	3640	FCR4404

Figure 6B - Continued

3641	FCR4405	3697	FCR4505	3753	FCR4641	3809	FCR4733	3865	fc4809
3642	FCR4406	3698	FCR4506	3754	fc4642	3810	FCR4735	3866	FCR4810
3643	FCR4409	3699	fc4559	3755	fc4644	3811	FCR4737	3867	FCR4811
3644	FCR4410	3700	FCR4560	3756	fc4648	3812	FCR4738	3868	FCR4813
3645	FCR4411	3701	fc4562	3757	FCR4649	3813	FCR4740	3869	FCR4814
3646	FCR4412	3702	FCR4566	3758	FCR4650	3814	FCR4741	3870	FCR4816
3647	FCR4413	3703	FCR4568	3759	FCR4651	3815	FCR4742	3871	FCR4817
3648	FCR4414	3704	FCR4569	3760	FCR4652	3816	FCR4743	3872	FCR4818
3649	FCR4415	3705	FCR4570	3761	FCR4654	3817	FCR4745	3873	FCR4819
3650	FCR4416	3706	FCR4573	3762	FCR4655	3818	FCR4746	3874	FCR4820
3651	FCR4417	3707	FCR4574	3763	fc4656	3819	FCR4747	3875	FCR4821
3652	FCR4419	3708	FCR4575	3764	FCR4660	3820	FCR4749	3876	FCR4822
3653	FCR4432	3709	FCR4576	3765	FCR4661	3821	FCR4752	3877	FCR4823
3654	FCR4433	3710	FCR4577	3766	fc4665	3822	FCR4753	3878	FCR4824
3655	FCR4434	3711	FCR4578	3767	FCR4667	3823	FCR4754	3879	FCR4825
3656	FCR4435	3712	FCR4579	3768	FCR4669	3824	FCR4755	3880	FCR4829
3657	FCR4436	3713	FCR4582	3769	fc4670	3825	FCR4758	3881	FCR4831
3658	FCR4437	3714	FCR4583	3770	fc4671	3826	FCR4759	3882	FCR4832
3659	FCR4438	3715	FCR4584	3771	fc4673	3827	FCR4760	3883	FCR4833
3660	FCR4440	3716	FCR4589	3772	FCR4674	3828	fc4761	3884	FCR4834
3661	FCR4442	3717	FCR4592	3773	FCR4675	3829	FCR4762	3885	FCR4836
3662	FCR4443	3718	FCR4594	3774	FCR4676	3830	FCR4763	3886	FCR4838
3663	FCR4444	3719	FCR4595	3775	FCR4677	3831	FCR4764	3887	FCR4839
3664	FCR4446	3720	FCR4596	3776	fc4678n	3832	FCR4765	3888	FCR4840
3665	FCR4447	3721	FCR4597	3777	FCR4679	3833	FCR4766	3889	FCR4842
3666	FCR4449	3722	FCR4600	3778	FCR4680	3834	FCR4767	3890	FCR4843
3667	FCR4450	3723	FCR4604	3779	FCR4681	3835	FCR4768	3891	fc4844n
3668	fc4457n	3724	FCR4605	3780	FCR4682	3836	FCR4769	3892	FCR4845
3669	FCR4459	3725	FCR4606	3781	FCR4684	3837	FCR4770	3893	FCR4846
3670	FCR4460	3726	FCR4607	3782	FCR4685	3838	FCR4771	3894	FCR4848
3671	fc4463n	3727	FCR4608	3783	FCR4686	3839	FCR4772	3895	FCR4849
3672	FCR4465	3728	FCR4609	3784	FCR4688	3840	FCR4773	3896	FCR4850
3673	fc4466n	3729	FCR4610	3785	FCR4690	3841	FCR4775	3897	FCR4851
3674	FCR4467	3730	FCR4612	3786	FCR4691	3842	FCR4778	3898	FCR4852
3675	FCR4468	3731	fc4613	3787	FCR4693	3843	FCR4779	3899	FCR4853
3676	FCR4469	3732	FCR4614	3788	FCR4695	3844	FCR4781	3900	FCR4854
3677	FCR4471	3733	FCR4615	3789	FCR4697	3845	FCR4782	3901	FCR4856
3678	FCR4473	3734	FCR4616	3790	FCR4699	3846	FCR4783	3902	FCR4857
3679	FCR4474	3735	FCR4617	3791	FCR4700	3847	FCR4784	3903	FCR4858
3680	FCR4475	3736	FCR4618	3792	FCR4702	3848	FCR4785	3904	FCR4860
3681	FCR4477	3737	FCR4620	3793	FCR4703	3849	FCR4786	3905	FCR4861
3682	FCR4480	3738	FCR4621	3794	FCR4704	3850	FCR4787	3906	FCR4862
3683	FCR4483	3739	FCR4622	3795	FCR4705	3851	FCR4790	3907	FCR4863
3684	FCR4485	3740	FCR4623	3796	FCR4717	3852	fc4791	3908	FCR4864
3685	FCR4486	3741	FCR4624	3797	FCR4719	3853	FCR4792	3909	FCR4865
3686	FCR4487	3742	FCR4626	3798	FCR4720	3854	FCR4794	3910	FCR4866
3687	FCR4489	3743	FCR4628	3799	FCR4721	3855	FCR4795	3911	FCR4867
3688	FCR4490	3744	FCR4629	3800	FCR4722	3856	FCR4799	3912	FCR4868
3689	FCR4494	3745	FCR4631	3801	FCR4723	3857	FCR4800	3913	FCR4869
3690	FCR4495	3746	FCR4632	3802	FCR4724	3858	FCR4801	3914	FCR4870
3691	FCR4496	3747	FCR4633	3803	FCR4725	3859	FCR4802	3915	FCR4871
3692	FCR4497	3748	FCR4634	3804	FCR4726	3860	FCR4803	3916	FCR4872
3693	FCR4498	3749	FCR4637	3805	FCR4727	3861	FCR4804	3917	FCR4873
3694	FCR4500	3750	FCR4638	3806	FCR4729	3862	FCR4805	3918	fc4874n
3695	FCR4502	3751	FCR4639	3807	FCR4730	3863	FCR4806	3919	FCR4875
3696	FCR4503	3752	FCR4640	3808	FCR4732	3864	FCR4808	3920	FCR4876



Figure 6B - Continued

3921	FCR4877	3977	FCR4948	4033	fc5031	4089	FCR5123	4145	FCR5204
3922	FCR4878	3978	FCR4949	4034	FCR5032	4090	FCR5124	4146	FCR5207
3923	FCR4879	3979	FCR4950	4035	FCR5033	4091	FCR5125	4147	FCR5208
3924	FCR4880	3980	FCR4951	4036	FCR5035	4092	FCR5126	4148	FCR5209
3925	FCR4881	3981	FCR4952	4037	FCR5040	4093	FCR5127	4149	FCR5211
3926	FCR4884	3982	FCR4953	4038	FCR5045	4094	fc5129	4150	FCR5212
3927	FCR4885	3983	FCR4954	4039	FCR5047	4095	FCR5131	4151	FCR5213
3928	FCR4886	3984	FCR4955	4040	FCR5048	4096	fc5132	4152	FCR5214
3929	FCR4888	3985	FCR4956	4041	FCR5050	4097	FCR5133	4153	FCR5216
3930	FCR4889	3986	FCR4957	4042	fc5055	4098	FCR5136	4154	FCR5217
3931	FCR4890	3987	FCR4958	4043	FCR5056	4099	FCR5137	4155	FCR5218
3932	FCR4891	3988	FCR4959	4044	FCR5057	4100	FCR5138	4156	FCR5220
3933	FCR4892	3989	FCR4961	4045	FCR5058	4101	fc5139n	4157	FCR5221
3934	fc4893	3990	FCR4965	4046	FCR5059	4102	fc5140	4158	FCR5222
3935	FCR4895	3991	FCR4966	4047	FCR5063	4103	FCR5141	4159	FCR5223
3936	FCR4896	3992	FCR4967	4048	FCR5064	4104	FCR5144	4160	fc5224n
3937	FCR4897	3993	fc4968	4049	FCR5065	4105	FCR5145	4161	FCR5226
3938	FCR4898	3994	FCR4970	4050	FCR5066	4106	FCR5149	4162	FCR5228
3939	FCR4899	3995	FCR4971	4051	FCR5067	4107	fc5150n	4163	FCR5229
3940	FCR4900	3996	FCR4974	4052	FCR5068	4108	FCR5151	4164	fc5231n
3941	FCR4901	3997	fc4976n	4053	fc5071	4109	FCR5152	4165	FCR5245
3942	FCR4902	3998	FCR4978	4054	FCR5072	4110	fc5153n	4166	FCR5246
3943	FCR4903	3999	FCR4979	4055	FCR5073	4111	FCR5154	4167	FCR5247
3944	FCR4904	4000	FCR4980	4056	FCR5074	4112	FCR5155	4168	FCR5250
3945	FCR4906	4001	FCR4981	4057	FCR5075	4113	FCR5156	4169	FCR5251
3946	FCR4907	4002	FCR4982	4058	FCR5076	4114	FCR5157	4170	FCR5257
3947	FCR4909	4003	FCR4983	4059	FCR5077	4115	FCR5158	4171	FCR5259
3948	FCR4911	4004	FCR4984	4060	FCR5080	4116	FCR5160	4172	FCR5261
3949	FCR4913	4005	FCR4985	4061	FCR5081	4117	FCR5161	4173	FCR5262
3950	FCR4914	4006	FCR4988	4062	FCR5082	4118	FCR5163	4174	FCR5263
3951	FCR4915	4007	fc4991	4063	FCR5083	4119	FCR5165	4175	fc5266n
3952	FCR4916	4008	fc4992n	4064	FCR5084	4120	FCR5167	4176	FCR5267
3953	FCR4920	4009	FCR4996	4065	FCR5085	4121	FCR5168	4177	FCR5268
3954	FCR4921	4010	FCR4997	4066	FCR5087	4122	FCR5169	4178	fc5270n
3955	FCR4922	4011	FCR4999	4067	FCR5088	4123	FCR5170	4179	FCR5271
3956	FCR4924	4012	FCR5000	4068	FCR5090	4124	fc5171	4180	FCR5272
3957	FCR4925	4013	FCR5002	4069	FCR5091	4125	FCR5175	4181	FCR5273
3958	FCR4926	4014	FCR5004	4070	FCR5092	4126	FCR5176	4182	FCR5281
3959	FCR4927	4015	FCR5006	4071	FCR5093	4127	FCR5179	4183	FCR5282
3960	FCR4928	4016	FCR5007	4072	FCR5096	4128	FCR5180	4184	FCR5283
3961	FCR4930	4017	FCR5008	4073	FCR5098	4129	FCR5181	4185	FCR5284
3962	FCR4931	4018	FCR5009	4074	FCR5099	4130	FCR5182	4186	fc5285n
3963	FCR4932	4019	fc5011	4075	FCR5100	4131	FCR5183	4187	FCR5286
3964	FCR4934	4020	FCR5014	4076	fc5101	4132	FCR5188	4188	FCR5288
3965	fc4935	4021	FCR5015	4077	fc5105	4133	FCR5189	4189	FCR5289
3966	fc4936n	4022	FCR5016	4078	fc5107	4134	FCR5190	4190	FCR5291
3967	FCR4937	4023	fc5017	4079	FCR5108	4135	FCR5191	4191	fc5292
3968	FCR4938	4024	FCR5019	4080	FCR5111	4136	FCR5192	4192	fc5293n
3969	FCR4941	4025	FCR5020	4081	FCR5112	4137	FCR5193	4193	FCR5297
3970	fc4942	4026	FCR5021	4082	FCR5113	4138	FCR5194	4194	FCR5301
3971	fc4942r	4027	FCR5023	4083	FCR5115	4139	FCR5196	4195	fc5315
3972	fc4943	4028	FCR5024	4084	FCR5116	4140	FCR5198	4196	FCR5316
3973	fc4944	4029	FCR5025	4085	FCR5117	4141	FCR5199	4197	FCR5317
3974	FCR4945	4030	FCR5026	4086	FCR5119	4142	FCR5200	4198	FCR5318
3975	FCR4946	4031	FCR5027	4087	fc5120n	4143	FCR5201	4199	FCR5320
3976	fc4947	4032	FCR5029	4088	FCR5121	4144	FCR5203	4200	FCR5322

Figure 6B - Continued

4201	fcR5323n	4257	fcR5414	4313	FCR5507	4369	FCR5624	4425	FCR5722
4202	FCR5324	4258	FCR5415	4314	FCR5508	4370	fcR5625	4426	FCR5723
4203	FCR5326	4259	FCR5416	4315	FCR5509	4371	FCR5627	4427	FCR5724
4204	FCR5327	4260	FCR5417	4316	fcR5510	4372	FCR5628	4428	FCR5725
4205	fcR5328n	4261	FCR5418	4317	FCR5511	4373	FCR5629	4429	FCR5727
4206	FCR5329	4262	FCR5420	4318	FCR5513	4374	FCR5630	4430	FCR5728
4207	FCR5330	4263	FCR5421	4319	FCR5515	4375	FCR5634	4431	FCR5730
4208	FCR5331	4264	FCR5422	4320	FCR5516	4376	FCR5639	4432	fcR5731
4209	FCR5332	4265	fcR5425	4321	FCR5517	4377	fcR5640	4433	fcR5733
4210	FCR5333	4266	FCR5426	4322	FCR5518	4378	FCR5642	4434	fcR5734
4211	FCR5334	4267	FCR5427	4323	FCR5519	4379	FCR5645	4435	fcR5736
4212	FCR5336	4268	fcR5428	4324	FCR5522	4380	FCR5648	4436	FCR5743
4213	FCR5337	4269	fcR5431	4325	FCR5523	4381	FCR5650	4437	FCR5744
4214	FCR5338	4270	FCR5436	4326	FCR5524	4382	FCR5652	4438	FCR5746
4215	FCR5339	4271	FCR5437	4327	FCR5525	4383	fcR5653	4439	FCR5747
4216	FCR5340	4272	FCR5438	4328	FCR5529	4384	fcR5653nr	4440	FCR5748
4217	FCR5342	4273	FCR5440	4329	FCR5530	4385	FCR5654	4441	FCR5749
4218	FCR5343	4274	FCR5442	4330	FCR5532	4386	fcR5659n	4442	FCR5750
4219	fcR5344	4275	FCR5443	4331	FCR5533	4387	FCR5660	4443	FCR5751
4220	FCR5345	4276	fcR5445	4332	FCR5534	4388	FCR5661	4444	fcR5752
4221	FCR5347	4277	fcR5446n	4333	FCR5536	4389	FCR5663	4445	FCR5753
4222	FCR5348	4278	FCR5447	4334	FCR5537	4390	FCR5664	4446	FCR5755
4223	FCR5349	4279	fcR5448n	4335	FCR5539	4391	FCR5665	4447	FCR5756
4224	FCR5350	4280	fcR5449	4336	FCR5541	4392	FCR5668	4448	FCR5758
4225	FCR5351	4281	FCR5453	4337	FCR5543	4393	FCR5669	4449	FCR5759
4226	fcR5353	4282	FCR5455	4338	FCR5559	4394	FCR5670	4450	FCR5760
4227	FCR5354	4283	FCR5456	4339	FCR5560	4395	fcR5672	4451	FCR5761
4228	FCR5355	4284	FCR5460	4340	fcR5561	4396	FCR5675	4452	FCR5762
4229	fcR5358	4285	fcR5461	4341	fcR5563	4397	FCR5677	4453	FCR5763
4230	FCR5359	4286	FCR5462	4342	FCR5571	4398	FCR5679	4454	FCR5764
4231	FCR5360	4287	fcR5463	4343	FCR5572	4399	fcR5680	4455	FCR5766
4232	FCR5362	4288	fcR5464	4344	FCR5574	4400	FCR5681	4456	FCR5767
4233	FCR5363	4289	fcR5467	4345	FCR5575	4401	FCR5683	4457	fcR5769
4234	FCR5365	4290	FCR5468	4346	FCR5579	4402	FCR5685	4458	FCR5770
4235	FCR5366	4291	FCR5469	4347	FCR5580	4403	fcR5686n	4459	FCR5771
4236	FCR5369	4292	FCR5470	4348	FCR5581	4404	FCR5687	4460	fcR5774n
4237	FCR5371	4293	FCR5471	4349	FCR5582	4405	FCR5689	4461	FCR5775
4238	FCR5373	4294	FCR5472	4350	FCR5584	4406	fcR5690n	4462	FCR5777
4239	FCR5374	4295	FCR5474	4351	FCR5585	4407	FCR5699	4463	FCR5778
4240	FCR5376	4296	fcR5475	4352	FCR5586	4408	FCR5701	4464	FCR5779
4241	FCR5378	4297	fcR5476	4353	FCR5587	4409	FCR5702	4465	fcR5780
4242	FCR5380	4298	FCR5477	4354	FCR5589	4410	FCR5703	4466	FCR5786
4243	fcR5381n	4299	FCR5478	4355	fcR5591	4411	FCR5704	4467	FCR5788
4244	FCR5382	4300	FCR5479	4356	FCR5594	4412	FCR5707	4468	fcR5789
4245	FCR5384	4301	fcR5481	4357	FCR5595	4413	FCR5708	4469	FCR5790
4246	fcR5387n	4302	FCR5482	4358	FCR5596	4414	fcR5710	4470	FCR5791
4247	FCR5391	4303	FCR5483	4359	fcR5612	4415	FCR5711	4471	FCR5792
4248	FCR5392	4304	fcR5484	4360	fcR5615	4416	FCR5712	4472	FCR5793
4249	FCR5393	4305	FCR5486	4361	fcR5615r	4417	FCR5713	4473	FCR5794
4250	FCR5394	4306	fcR5488	4362	FCR5617	4418	FCR5714	4474	FCR5795
4251	fcR5406n	4307	fcR5489	4363	FCR5618	4419	FCR5715	4475	FCR5796
4252	FCR5407	4308	FCR5490	4364	FCR5619	4420	FCR5716	4476	FCR5797
4253	FCR5408	4309	FCR5498	4365	FCR5620	4421	FCR5717	4477	FCR5798
4254	FCR5409	4310	fcR5499	4366	fcR5621	4422	FCR5719	4478	FCR5799
4255	FCR5410	4311	FCR5503	4367	FCR5622	4423	FCR5720	4479	FCR5800
4256	FCR5412	4312	FCR5505	4368	FCR5623	4424	FCR5721	4480	FCR5801

Figure 6B - Continued

4481	FCR5802	4537	FCR5883	4593	FCR5961	4649	FCR6044	4705	FCR6145
4482	FCR5803	4538	fc5884	4594	FCR5964	4650	fc6045	4706	FCR6146
4483	FCR5804	4539	FCR5885	4595	FCR5966	4651	FCR6047	4707	FCR6147
4484	FCR5805	4540	fc5886	4596	FCR5967	4652	FCR6050	4708	FCR6150
4485	FCR5807	4541	FCR5887	4597	FCR5969	4653	FCR6054	4709	FCR6151
4486	FCR5808	4542	FCR5889	4598	FCR5971	4654	FCR6055	4710	FCR6152
4487	FCR5809	4543	FCR5890	4599	FCR5972	4655	FCR6057	4711	FCR6157
4488	FCR5810	4544	FCR5894	4600	FCR5973	4656	FCR6058	4712	FCR6158
4489	FCR5811	4545	FCR5895	4601	FCR5975	4657	FCR6060	4713	FCR6160
4490	FCR5812	4546	FCR5897	4602	fc5976	4658	FCR6062	4714	FCR6161
4491	FCR5813	4547	FCR5898	4603	FCR5978	4659	FCR6064	4715	fc6162
4492	FCR5814	4548	FCR5900	4604	FCR5980	4660	FCR6065	4716	FCR6163
4493	FCR5817	4549	FCR5901	4605	fc5981	4661	FCR6066	4717	FCR6168
4494	FCR5818	4550	fc5902	4606	FCR5982	4662	FCR6067	4718	FCR6169
4495	fc5819	4551	FCR5903	4607	fc5983n	4663	FCR6068	4719	FCR6170
4496	FCR5822	4552	fc5904n	4608	FCR5986	4664	FCR6069	4720	FCR6171
4497	FCR5823	4553	FCR5905	4609	FCR5987	4665	FCR6074	4721	FCR6172
4498	fc5824	4554	fc5909	4610	FCR5989	4666	FCR6076	4722	FCR6174
4499	fc5825	4555	FCR5910	4611	fc5990n	4667	FCR6077	4723	FCR6175
4500	FCR5827	4556	FCR5911	4612	fc5991	4668	FCR6079	4724	FCR6176
4501	FCR5831	4557	fc5912	4613	FCR5992	4669	FCR6080	4725	FCR6178
4502	FCR5833	4558	FCR5915	4614	FCR5995	4670	FCR6085	4726	FCR6179
4503	FCR5834	4559	FCR5916	4615	FCR5996	4671	FCR6086	4727	FCR6180
4504	FCR5835	4560	fc5917	4616	FCR5998	4672	FCR6088	4728	FCR6181
4505	fc5836	4561	fc5918	4617	FCR5999	4673	FCR6090	4729	fc6182
4506	FCR5837	4562	FCR5919	4618	fc6002	4674	FCR6091	4730	FCR6183
4507	FCR5838	4563	FCR5920	4619	fc6003	4675	FCR6092	4731	FCR6184
4508	fc5842	4564	FCR5921	4620	FCR6004	4676	FCR6096	4732	FCR6185
4509	FCR5843	4565	FCR5922	4621	FCR6005	4677	FCR6102	4733	FCR6186
4510	FCR5844	4566	FCR5925	4622	FCR6007	4678	FCR6103	4734	FCR6187
4511	FCR5846	4567	FCR5926	4623	FCR6008	4679	FCR6104	4735	FCR6188
4512	FCR5847	4568	fc5927n	4624	fc6010	4680	FCR6106	4736	FCR6189
4513	FCR5848	4569	FCR5928	4625	fc6011n	4681	FCR6107	4737	FCR6192
4514	FCR5850	4570	fc5929n	4626	fc6013	4682	FCR6108	4738	FCR6193
4515	FCR5851	4571	FCR5930	4627	fc6014	4683	FCR6109	4739	FCR6194
4516	FCR5852	4572	fc5931	4628	fc6015	4684	FCR6116	4740	FCR6195
4517	FCR5854	4573	fc5932n	4629	FCR6016	4685	FCR6117	4741	FCR6197
4518	FCR5856	4574	FCR5935	4630	FCR6017	4686	FCR6118	4742	fc6198
4519	FCR5857	4575	fc5936n	4631	FCR6018	4687	FCR6119	4743	FCR6201
4520	FCR5858	4576	FCR5937	4632	FCR6019	4688	FCR6122	4744	FCR6202
4521	fc5859n	4577	FCR5938	4633	FCR6022	4689	fc6124n	4745	FCR6205
4522	FCR5860	4578	FCR5940	4634	FCR6023	4690	fc6125	4746	FCR6206
4523	FCR5861	4579	FCR5941	4635	FCR6025	4691	fc6128	4747	FCR6207
4524	FCR5862	4580	FCR5942	4636	FCR6026	4692	FCR6129	4748	FCR6208
4525	FCR5863	4581	FCR5943	4637	FCR6027	4693	FCR6131	4749	FCR6209
4526	FCR5865	4582	FCR5944	4638	FCR6028	4694	fc6132	4750	FCR6210
4527	FCR5866	4583	FCR5945	4639	FCR6031	4695	fc6135	4751	FCR6211
4528	fc5867	4584	FCR5946	4640	FCR6032	4696	FCR6136	4752	fc6212
4529	FCR5870	4585	FCR5949	4641	FCR6034	4697	FCR6137	4753	FCR6213
4530	FCR5871	4586	FCR5950	4642	FCR6035	4698	fc6138	4754	fc6217
4531	fc5872	4587	FCR5951	4643	fc6036n	4699	FCR6139	4755	fc6218n
4532	FCR5875	4588	FCR5952	4644	FCR6038	4700	FCR6140	4756	FCR6219
4533	fc5877	4589	fc5955	4645	FCR6039	4701	FCR6141	4757	FCR6220
4534	FCR5879	4590	fc5956	4646	fc6041n	4702	FCR6142	4758	FCR6221
4535	FCR5880	4591	FCR5958	4647	fc6042	4703	FCR6143	4759	FCR6224
4536	FCR5881	4592	FCR5959	4648	fc6043n	4704	FCR6144	4760	FCR6225

Figure 6B - Continued

4761	FCR6227	4817	FCR6321	4873	FCR6413	4929	fc6492	4985	FCR6568
4762	FCR6228	4818	FCR6322	4874	FCR6414	4930	FCR6493	4986	FCR6571
4763	FCR6229	4819	FCR6323	4875	FCR6415	4931	FCR6494	4987	FCR6573
4764	FCR6230	4820	FCR6324	4876	FCR6416	4932	FCR6495	4988	fc6574
4765	FCR6231	4821	FCR6325	4877	FCR6418	4933	FCR6497	4989	FCR6576
4766	FCR6232	4822	FCR6326	4878	FCR6419	4934	FCR6498	4990	FCR6577
4767	FCR6234	4823	FCR6327	4879	FCR6420	4935	FCR6499	4991	FCR6578
4768	FCR6235	4824	FCR6328	4880	FCR6421	4936	FCR6502	4992	FCR6579
4769	FCR6237	4825	FCR6329	4881	FCR6422	4937	FCR6503	4993	FCR6580
4770	FCR6240	4826	FCR6330	4882	FCR6423	4938	FCR6505	4994	FCR6581
4771	FCR6241	4827	FCR6331	4883	fc6424	4939	fc6506	4995	FCR6582
4772	fc6242	4828	FCR6332	4884	FCR6425	4940	fc6507	4996	fc6583
4773	FCR6243	4829	FCR6333	4885	FCR6426	4941	FCR6508	4997	FCR6584
4774	FCR6245	4830	FCR6334	4886	FCR6427	4942	fc6509	4998	FCR6585
4775	FCR6246	4831	FCR6335	4887	FCR6428	4943	FCR6511	4999	FCR6586
4776	FCR6252	4832	FCR6336	4888	FCR6429	4944	fc6512	5000	FCR6587
4777	fc6254	4833	FCR6340	4889	FCR6431	4945	FCR6513	5001	FCR6589
4778	FCR6255	4834	fc6344n	4890	FCR6432	4946	FCR6514	5002	FCR6592
4779	FCR6256	4835	FCR6345	4891	FCR6433	4947	FCR6517	5003	FCR6593
4780	FCR6257	4836	FCR6350	4892	FCR6434	4948	FCR6521	5004	FCR6596
4781	FCR6258	4837	fc6351n	4893	FCR6435	4949	FCR6522	5005	FCR6597
4782	FCR6259	4838	FCR6352	4894	FCR6437	4950	FCR6523	5006	fc6606
4783	FCR6262	4839	FCR6358	4895	FCR6439	4951	FCR6524	5007	FCR6607
4784	FCR6263	4840	FCR6360	4896	FCR6442	4952	FCR6525	5008	fc6608
4785	FCR6264	4841	FCR6361	4897	FCR6443	4953	FCR6526	5009	FCR6610
4786	FCR6266	4842	FCR6362	4898	FCR6449	4954	FCR6528	5010	FCR6611
4787	FCR6268	4843	FCR6363	4899	FCR6450	4955	FCR6529	5011	FCR6616
4788	FCR6269	4844	FCR6367	4900	fc6452	4956	FCR6530	5012	FCR6617
4789	FCR6272	4845	FCR6369	4901	FCR6455	4957	FCR6531	5013	FCR6618
4790	FCR6273	4846	FCR6375	4902	FCR6457	4958	FCR6532	5014	FCR6619
4791	FCR6274	4847	fc6376	4903	FCR6459	4959	FCR6533	5015	FCR6620
4792	FCR6275	4848	fc6378n	4904	FCR6460	4960	FCR6534	5016	FCR6621
4793	FCR6276	4849	fc6379	4905	FCR6461	4961	FCR6536	5017	FCR6622
4794	FCR6277	4850	FCR6382	4906	FCR6462	4962	fc6537n	5018	FCR6623
4795	FCR6279	4851	FCR6383	4907	FCR6463	4963	FCR6538	5019	FCR6626
4796	fc6281	4852	fc6385	4908	FCR6464	4964	FCR6539	5020	FCR6627
4797	FCR6282	4853	FCR6386	4909	FCR6465	4965	FCR6541	5021	FCR6628
4798	FCR6284	4854	FCR6389	4910	FCR6466	4966	FCR6543	5022	FCR6629
4799	FCR6285	4855	FCR6390	4911	FCR6467	4967	FCR6546	5023	FCR6630
4800	FCR6286	4856	FCR6393	4912	FCR6468	4968	FCR6547	5024	FCR6631
4801	FCR6288	4857	FCR6394	4913	FCR6469	4969	FCR6548	5025	FCR6633
4802	fc6291n	4858	FCR6395	4914	FCR6471	4970	FCR6549	5026	FCR6634
4803	FCR6292	4859	FCR6396	4915	FCR6472	4971	FCR6550	5027	FCR6635
4804	FCR6295	4860	FCR6398	4916	FCR6476	4972	FCR6551	5028	FCR6636
4805	fc6296	4861	FCR6399	4917	FCR6478	4973	fc6552n	5029	FCR6637
4806	FCR6299	4862	FCR6400	4918	FCR6479	4974	FCR6553	5030	fc6639
4807	FCR6301	4863	FCR6401	4919	FCR6481	4975	FCR6554	5031	fc6640
4808	FCR6303	4864	FCR6402	4920	FCR6482	4976	FCR6555	5032	fc6641
4809	FCR6307	4865	FCR6403	4921	FCR6483	4977	FCR6556	5033	FCR6651
4810	fc6308	4866	FCR6404	4922	FCR6484	4978	FCR6557	5034	FCR6657
4811	FCR6309	4867	FCR6407	4923	FCR6485	4979	FCR6560	5035	FCR6658
4812	fc6310	4868	FCR6408	4924	FCR6486	4980	FCR6561	5036	FCR6660
4813	FCR6312	4869	FCR6409	4925	fc6487	4981	FCR6562	5037	FCR6662
4814	FCR6314	4870	FCR6410	4926	fc6488	4982	FCR6564	5038	FCR6663
4815	FCR6317	4871	FCR6411	4927	FCR6489	4983	FCR6565	5039	fc6664n
4816	FCR6319	4872	FCR6412	4928	FCR6491	4984	FCR6566	5040	FCR6665

Figure 6B – Continued

5041	FCR6667	5097	FCR6788	5153	FCR6879	5209	FCR6958	5255	FCR7049
5042	FCR6669	5098	FCR6789	5154	FCR6881	5210	FCR6960	5266	FCR7050
5043	FCR6670	5099	FCR6792	5155	FCR6882	5211	FCR6961	5267	FCR7051
5044	FCR6683	5100	FCR6793	5156	FCR6883	5212	FCR6962	5268	FCR7054
5045	fc6687	5101	FCR6794	5157	FCR6884	5213	FCR6963	5269	FCR7055
5046	FCR6688	5102	FCR6795	5158	FCR6886	5214	FCR6964	5270	FCR7056
5047	FCR6689	5103	fc6796	5159	FCR6887	5215	FCR6967	5271	FCR7057
5048	FCR6690	5104	FCR6797	5160	FCR6888	5216	FCR6968	5272	FCR7058
5049	FCR6691	5105	FCR6798	5161	FCR6889	5217	FCR6969	5273	FCR7059
5050	FCR6692	5106	FCR6800	5162	fc6891n	5218	FCR6970	5274	FCR7060
5051	FCR6693	5107	FCR6801	5163	FCR6892	5219	fc6973	5275	fc7062
5052	FCR6696	5108	FCR6802	5164	FCR6893	5220	FCR6975	5276	FCR7063
5053	FCR6697	5109	FCR6803	5165	FCR6894	5221	FCR6976	5277	FCR7065
5054	FCR6698	5110	FCR6804	5166	FCR6895	5222	FCR6977	5278	FCR7067
5055	FCR6700	5111	FCR6805	5167	FCR6896	5223	FCR6980	5279	FCR7069
5056	FCR6701	5112	FCR6807	5168	FCR6897	5224	FCR6983	5280	FCR7070
5057	FCR6702	5113	FCR6808	5169	FCR6900	5225	FCR6985	5281	FCR7071
5058	FCR6703	5114	FCR6809	5170	FCR6901	5226	FCR6987	5282	FCR7072
5059	FCR6704	5115	FCR6810	5171	FCR6902	5227	FCR6994	5283	FCR7073
5060	fc6707n	5116	FCR6811	5172	fc6903	5228	FCR6996	5284	FCR7074
5061	fc6708	5117	FCR6816	5173	FCR6905	5229	FCR6998	5285	FCR7087
5062	FCR6709	5118	FCR6817	5174	FCR6907	5230	FCR6999	5286	FCR7089
5063	FCR6710	5119	FCR6820	5175	FCR6908	5231	FCR7000	5287	FCR7090
5064	FCR6712	5120	FCR6821	5176	FCR6909	5232	FCR7001	5288	FCR7091
5065	fc6713n	5121	fc6825	5177	FCR6910	5233	FCR7002	5289	FCR7092
5066	FCR6714	5122	FCR6826	5178	fc6911	5234	FCR7004	5290	FCR7095
5067	FCR6723	5123	FCR6827	5179	FCR6912	5235	FCR7006	5291	FCR7098
5068	FCR6725	5124	fc6829	5180	FCR6913	5236	FCR7007	5292	FCR7099
5069	FCR6730	5125	FCR6830	5181	FCR6914	5237	FCR7008	5293	FCR7100
5070	FCR6733	5126	FCR6831	5182	FCR6915	5238	FCR7009	5294	FCR7101
5071	FCR6735	5127	FCR6834	5183	FCR6916	5239	FCR7010	5295	FCR7102
5072	FCR6737	5128	FCR6836	5184	FCR6920	5240	FCR7011	5296	FCR7103
5073	FCR6738	5129	FCR6838	5185	FCR6924	5241	fc7012n	5297	FCR7104
5074	FCR6739	5130	fc6840	5186	FCR6925	5242	FCR7015	5298	FCR7106
5075	FCR6740	5131	FCR6841	5187	FCR6927	5243	fc7016	5299	FCR7107
5076	FCR6744	5132	FCR6847	5188	FCR6928	5244	FCR7018	5300	FCR7108
5077	FCR6746	5133	FCR6850	5189	FCR6929	5245	FCR7019	5301	FCR7110
5078	FCR6747	5134	FCR6851	5190	FCR6930	5246	FCR7020	5302	FCR7111
5079	fc6748n	5135	fc6852n	5191	FCR6931	5247	fc7021	5303	FCR7112
5080	FCR6751	5136	FCR6854	5192	FCR6932	5248	FCR7025	5304	FCR7114
5081	fc6752n	5137	FCR6857	5193	fc6933	5249	FCR7026	5305	FCR7115
5082	FCR6753	5138	fc6858	5194	FCR6936	5250	FCR7027	5306	FCR7116
5083	FCR6754	5139	FCR6859	5195	FCR6937	5251	FCR7029	5307	FCR7117
5084	FCR6756	5140	FCR6862	5196	FCR6938	5252	FCR7031	5308	FCR7118
5085	FCR6757	5141	FCR6863	5197	FCR6941	5253	FCR7032	5309	FCR7119
5086	FCR6759	5142	FCR6866	5198	FCR6942	5254	FCR7033	5310	FCR7120
5087	FCR6760	5143	FCR6867	5199	FCR6943	5255	FCR7034	5311	FCR7123
5088	FCR6766	5144	FCR6869	5200	FCR6944	5256	FCR7039	5312	FCR7124
5089	FCR6770	5145	FCR6870	5201	FCR6945	5257	FCR7040	5313	FCR7125
5090	FCR6773	5146	FCR6871	5202	FCR6947	5258	FCR7041	5314	FCR7127
5091	FCR6774	5147	FCR6872	5203	fc6948	5259	FCR7042	5315	FCR7128
5092	FCR6775	5148	FCR6873	5204	fc6950	5260	FCR7043	5316	FCR7129
5093	FCR6776	5149	FCR6874	5205	fc6951	5261	FCR7044	5317	FCR7130
5094	FCR6778	5150	FCR6876	5206	FCR6952	5262	FCR7045	5318	FCR7133
5095	FCR6784	5151	FCR6877	5207	FCR6955	5263	FCR7046	5319	fc7134n
5096	FCR6785	5152	FCR6878	5208	FCR6957	5264	fc7047	5320	FCR7136

Figure 6B - Continued

5321	FCR7137	5377	FCR7221	5433	FCR7303	5489	FCR7382	5545	lcr7509
5322	FCR7138	5378	FCR7222	5434	FCR7304	5490	FCR7383	5546	FCR7511
5323	FCR7139	5379	FCR7223	5435	FCR7305	5491	FCR7385	5547	FCR7512
5324	FCR7140	5380	FCR7225	5436	FCR7307	5492	FCR7386	5548	FCR7513
5325	FCR7141	5381	FCR7227	5437	FCR7308	5493	lcr7387	5549	FCR7516
5326	FCR7143	5382	FCR7228	5438	FCR7309	5494	FCR7388	5550	FCR7518
5327	FCR7146	5383	FCR7230	5439	FCR7310	5495	FCR7390	5551	FCR7519
5328	FCR7147	5384	lcr7232	5440	FCR7311	5496	FCR7391	5552	FCR7521
5329	FCR7150	5385	FCR7233	5441	FCR7315	5497	FCR7400	5553	FCR7522
5330	FCR7151	5386	FCR7236	5442	lcr7316	5498	FCR7401	5554	FCR7523
5331	lcr7152	5387	FCR7237	5443	FCR7318	5499	FCR7403	5555	FCR7527
5332	FCR7153	5388	lcr7238	5444	lcr7319	5500	lcr7404n	5556	FCR7541
5333	FCR7154	5389	FCR7239	5445	FCR7322	5501	FCR7405	5557	FCR7542
5334	FCR7155	5390	FCR7240	5446	lcr7323	5502	FCR7406	5558	FCR7543
5335	FCR7157	5391	FCR7241	5447	FCR7324	5503	FCR7407	5559	FCR7544
5336	FCR7158	5392	FCR7243	5448	lcr7325	5504	lcr7408n	5560	lcr7545n
5337	FCR7159	5393	FCR7244	5449	FCR7327	5505	FCR7409	5561	FCR7546
5338	FCR7161	5394	FCR7245	5450	FCR7328	5506	FCR7411	5562	FCR7547
5339	FCR7163	5395	FCR7246	5451	FCR7329	5507	FCR7412	5563	FCR7548
5340	FCR7164	5396	FCR7247	5452	FCR7330	5508	FCR7414	5564	FCR7549
5341	FCR7166	5397	FCR7248	5453	FCR7331	5509	FCR7415	5565	FCR7550
5342	FCR7167	5398	FCR7249	5454	FCR7332	5510	FCR7416	5566	FCR7551
5343	FCR7168	5399	FCR7251	5455	FCR7333	5511	FCR7418	5567	lcr7552
5344	FCR7169	5400	FCR7252	5456	FCR7337	5512	FCR7419	5568	FCR7553
5345	FCR7171	5401	FCR7253	5457	FCR7338	5513	FCR7421	5569	FCR7557
5346	FCR7175	5402	FCR7254	5458	FCR7341	5514	FCR7423	5570	FCR7559
5347	FCR7177	5403	FCR7255	5459	lcr7342	5515	FCR7424	5571	FCR7561
5348	FCR7178	5404	FCR7256	5460	FCR7343	5516	FCR7425	5572	FCR7562
5349	FCR7179	5405	FCR7259	5461	FCR7344	5517	FCR7426	5573	FCR7566
5350	FCR7180	5406	FCR7261	5462	FCR7345	5518	FCR7427	5574	FCR7568
5351	FCR7181	5407	FCR7262	5463	lcr7346n	5519	FCR7428	5575	lcr7569
5352	FCR7183	5408	FCR7264	5464	FCR7349	5520	FCR7429	5576	FCR7570
5353	FCR7185	5409	lcr7266	5465	FCR7351	5521	FCR7430	5577	FCR7571
5354	FCR7188	5410	FCR7267	5466	FCR7353	5522	FCR7431	5578	lcr7572
5355	FCR7189	5411	FCR7268	5467	FCR7354	5523	FCR7446	5579	FCR7573
5356	FCR7190	5412	FCR7269	5468	FCR7357	5524	FCR7448	5580	FCR7578
5357	FCR7191	5413	FCR7272	5469	FCR7360	5525	FCR7449	5581	FCR7580
5358	FCR7193	5414	FCR7274	5470	FCR7361	5526	FCR7453	5582	FCR7585
5359	FCR7195	5415	FCR7277	5471	FCR7362	5527	FCR7458	5583	FCR7586
5360	FCR7196	5416	FCR7280	5472	FCR7363	5528	lcr7460	5584	FCR7587
5361	FCR7197	5417	FCR7282	5473	FCR7364	5529	FCR7465	5585	lcr7588
5362	FCR7198	5418	lcr7283	5474	FCR7365	5530	FCR7468	5586	FCR7591
5363	FCR7199	5419	FCR7284	5475	FCR7367	5531	FCR7469	5587	FCR7592
5364	FCR7200	5420	FCR7286	5476	FCR7368	5532	FCR7470	5588	FCR7597
5365	FCR7201	5421	FCR7288	5477	FCR7369	5533	FCR7471	5589	FCR7602
5366	FCR7202	5422	FCR7289	5478	FCR7370	5534	lcr7472	5590	FCR7604
5367	FCR7204	5423	FCR7290	5479	FCR7371	5535	FCR7473	5591	FCR7605
5368	FCR7205	5424	FCR7291	5480	lcr7372	5536	lcr7474	5592	FCR7609
5369	FCR7206	5425	FCR7292	5481	FCR7373	5537	FCR7476	5593	FCR7610
5370	FCR7207	5426	FCR7293	5482	FCR7374	5538	FCR7477	5594	lcr7613n
5371	FCR7208	5427	FCR7294	5483	FCR7375	5539	lcr7481n	5595	FCR7614
5372	FCR7209	5428	lcr7295	5484	FCR7377	5540	FCR7498	5596	FCR7621
5373	FCR7210	5429	FCR7296	5485	FCR7378	5541	FCR7500	5597	lcr7622
5374	FCR7216	5430	FCR7297	5486	FCR7379	5542	FCR7502	5598	FCR7623
5375	FCR7217	5431	FCR7299	5487	FCR7380	5543	FCR7505	5599	FCR7624
5376	FCR7220	5432	FCR7301	5488	FCR7381	5544	FCR7508	5600	FCR7625

Figure 6B – Continued

5601	FCR7626	5657	fcr7738	5713	fcrb0056	5769	fcrb0131	5825	fcrb0233
5602	FCR7630	5658	FCR7739	5714	fcrb0057	5770	fcrb0132	5826	fcrb0241
5603	FCR7636	5659	FCR7740	5715	fcrb0059	5771	fcrb0134	5827	fcrb0245
5604	FCR7637	5660	FCR7741	5716	fcrb0061	5772	fcrb0135	5828	fcrb0247
5605	FCR7638	5661	FCR7742	5717	fcrb0062	5773	fcrb0136	5829	fcrb0249
5606	FCR7640	5662	FCR7743	5718	fcrb0063	5774	fcrb0137	5830	fcrb0250
5607	FCR7642	5663	FCR7744	5719	fcrb0064	5775	fcrb0138	5831	fcrb0251
5608	FCR7643	5664	FCR7745	5720	fcrb0066	5776	fcrb0139	5832	fcrb0253
5609	FCR7644	5665	fcrb0001	5721	fcrb0067	5777	fcrb0140	5833	fcrb0255
5610	FCR7646	5666	fcrb0002	5722	fcrb0068	5778	fcrb0141	5834	fcrb0256
5611	FCR7648	5667	fcrb0003	5723	fcrb0069	5779	fcrb0142	5835	fcrb0257
5612	FCR7649	5668	fcrb0004	5724	fcrb0071	5780	fcrb0144	5836	fcrb0258
5613	FCR7656	5669	fcrb0005	5725	fcrb0072	5781	fcrb0145	5837	fcrb0259
5614	FCR7657	5670	fcrb0006	5726	fcrb0073	5782	fcrb0146	5838	fcrb0260
5615	FCR7658	5671	fcrb0007	5727	fcrb0074	5783	fcrb0148	5839	fcrb0261
5616	FCR7659	5672	fcrb0008	5728	fcrb0079	5784	fcrb0149	5840	fcrb0263
5617	fcr7663n	5673	fcrb0009	5729	fcrb0080	5785	fcrb0150	5841	fcrb0265
5618	FCR7665	5674	fcrb0010	5730	fcrb0081	5786	fcrb0151	5842	fcrb0266
5619	FCR7667	5675	fcrb0012	5731	fcrb0082	5787	fcrb0153	5843	fcrb0268
5620	FCR7669	5676	fcrb0013	5732	fcrb0083	5788	fcrb0154	5844	fcrb0269
5621	fcr7671n	5677	fcrb0014	5733	fcrb0086	5789	fcrb0155	5845	fcrb0270
5622	FCR7675	5678	fcrb0015	5734	fcrb0088	5790	fcrb0156	5846	fcrb0272
5623	FCR7680	5679	fcrb0016	5735	fcrb0089	5791	fcrb0157	5847	fcrb0273
5624	FCR7681	5680	fcrb0017	5736	fcrb0091	5792	fcrb0160	5848	fcrb0275
5625	FCR7682	5681	fcrb0018	5737	fcrb0092	5793	fcrb0163	5849	fcrb0276
5626	FCR7683	5682	fcrb0019	5738	fcrb0093	5794	fcrb0168	5850	fcrb0277
5627	FCR7684	5683	fcrb0020	5739	fcrb0095	5795	fcrb0169	5851	fcrb0280
5628	FCR7685	5684	fcrb0021	5740	fcrb0096	5796	fcrb0171	5852	fcrb0283
5629	FCR7689	5685	fcrb0023	5741	fcrb0097	5797	fcrb0172	5853	fcrb0284
5630	FCR7692	5686	fcrb0025	5742	fcrb0098	5798	fcrb0173	5854	fcrb0285
5631	FCR7693	5687	fcrb0026	5743	fcrb0099	5799	fcrb0174	5855	fcrb0288
5632	FCR7694	5688	fcrb0027	5744	fcrb0100	5800	fcrb0177	5856	fcrb0289
5633	FCR7695	5689	fcrb0028	5745	fcrb0101	5801	fcrb0178	5857	fcrb0290
5634	FCR7696	5690	fcrb0029	5746	fcrb0102	5802	fcrb0179	5858	fcrb0292
5635	FCR7697	5691	fcrb0030	5747	fcrb0103	5803	fcrb0184	5859	fcrb0293
5636	FCR7700	5692	fcrb0032	5748	fcrb0104	5804	fcrb0185	5860	fcrb0295
5637	FCR7702	5693	fcrb0033	5749	fcrb0106	5805	fcrb0187	5861	fcrb0296
5638	FCR7705	5694	fcrb0034	5750	fcrb0107	5806	fcrb0190	5862	fcrb0298
5639	FCR7710	5695	fcrb0035	5751	fcrb0108	5807	fcrb0192	5863	fcrb0299
5640	FCR7711	5696	fcrb0036	5752	fcrb0109	5808	fcrb0193	5864	fcrb0300
5641	FCR7713	5697	fcrb0037	5753	fcrb0110	5809	fcrb0194	5865	fcrb0301
5642	FCR7714	5698	fcrb0038	5754	fcrb0111	5810	fcrb0196	5866	fcrb0302
5643	FCR7715	5699	fcrb0039	5755	fcrb0114	5811	fcrb0198	5867	fcrb0304
5644	FCR7719	5700	fcrb0040	5756	fcrb0115	5812	fcrb0200	5868	fcrb0305
5645	FCR7721	5701	fcrb0042	5757	fcrb0117	5813	fcrb0201	5869	fcrb0306
5646	FCR7725	5702	fcrb0044	5758	fcrb0118	5814	fcrb0202	5870	fcrb0308
5647	FCR7726	5703	fcrb0045	5759	fcrb0119	5815	fcrb0204	5871	fcrb0309
5648	FCR7727	5704	fcrb0046	5760	fcrb0120	5816	fcrb0205	5872	fcrb0311
5649	FCR7728	5705	fcrb0048	5761	fcrb0121	5817	fcrb0207	5873	fcrb0312
5650	FCR7729	5706	fcrb0049	5762	fcrb0122	5818	fcrb0211	5874	fcrb0313
5651	FCR7730	5707	fcrb0050	5763	fcrb0124	5819	fcrb0212	5875	fcrb0315
5652	fcr7731	5708	fcrb0051	5764	fcrb0125	5820	fcrb0213	5876	fcrb0316
5653	fcr7733	5709	fcrb0052	5765	fcrb0126	5821	fcrb0216	5877	fcrb0317
5654	fcr7734	5710	fcrb0053	5766	fcrb0127	5822	fcrb0218	5878	fcrb0318
5655	fcr7735n	5711	fcrb0054	5767	fcrb0129	5823	fcrb0220	5879	fcrb0319
5656	FCR7737	5712	fcrb0055	5768	fcrb0130	5824	fcrb0221	5880	fcrb0322

Figure 6B - Continued

5881	fcrb0325	5937	fcrb0408	5993	fcrb0617	6049	fcrb0728	6105	fcrb0971
5882	fcrb0326	5938	fcrb0409	5994	fcrb0619	6050	fcrb0729	6106	fcrb0972
5883	fcrb0327	5939	fcrb0414	5995	fcrb0620	6051	fcrb0732	6107	fcrb0973
5884	fcrb0331	5940	fcrb0416	5996	fcrb0621	6052	fcrb0734	6108	fcrb0974
5885	fcrb0332	5941	fcrb0418	5997	fcrb0622	6053	fcrb0735	6109	fcrb0975
5886	fcrb0334	5942	fcrb0419	5998	fcrb0623	6054	fcrb0736	6110	fcrb0976
5887	fcrb0335	5943	fcrb0420	5999	fcrb0624	6055	fcrb0737	6111	fcrb0978
5888	fcrb0336	5944	fcrb0422	6000	fcrb0625	6056	fcrb0742	6112	fcrb0979
5889	fcrb0338	5945	fcrb0424	6001	fcrb0626	6057	fcrb0743	6113	fcrb0984
5890	fcrb0339	5946	fcrb0425	6002	fcrb0630	6058	fcrb0745	6114	fcrb0985
5891	fcrb0342	5947	fcrb0426	6003	fcrb0631	6059	fcrb0750	6115	fcrb0986
5892	fcrb0343	5948	fcrb0427	6004	fcrb0632	6060	fcrb0751	6116	fcrb0988
5893	fcrb0344	5949	fcrb0428	6005	fcrb0633	6061	fcrb0752	6117	fcrb0991
5894	fcrb0345	5950	fcrb0429	6006	fcrb0634	6062	fcrb0755	6118	fcrb0992
5895	fcrb0346	5951	fcrb0431	6007	fcrb0638	6063	fcrb0758	6119	fcrb0993
5896	fcrb0348	5952	fcrb0433	6008	fcrb0639	6064	fcrb0773	6120	fcrb0994
5897	fcrb0349	5953	fcrb0434	6009	fcrb0640	6065	fcrb0784	6121	fcrb0995
5898	fcrb0350	5954	fcrb0436	6010	fcrb0641	6066	fcrb0787	6122	fcrb0997
5899	fcrb0352	5955	fcrb0439	6011	fcrb0643	6067	fcrb0791	6123	fcrb0999
5900	fcrb0353	5956	fcrb0440	6012	fcrb0646	6068	fcrb0793	6124	fcrb1000
5901	fcrb0354	5957	fcrb0441	6013	fcrb0654	6069	fcrb0796	6125	fcrb1001
5902	fcrb0355	5958	fcrb0442	6014	fcrb0655	6070	fcrb0805	6126	fcrb1002
5903	fcrb0356	5959	fcrb0443	6015	fcrb0657	6071	fcrb0810	6127	fcrb1007
5904	fcrb0358	5960	fcrb0444	6016	fcrb0662	6072	fcrb0815	6128	fcrb1009
5905	fcrb0359	5961	fcrb0445	6017	fcrb0664	6073	fcrb0819	6129	fcrb1011
5906	fcrb0360	5962	fcrb0446	6018	fcrb0665	6074	fcrb0828	6130	fcrb1012
5907	fcrb0361	5963	fcrb0448	6019	fcrb0667	6075	fcrb0831	6131	fcrb1013
5908	fcrb0362	5964	fcrb0450	6020	fcrb0670	6076	fcrb0843	6132	fcrb1017
5909	fcrb0363	5965	fcrb0564	6021	fcrb0671	6077	fcrb0845	6133	fcrb1018
5910	fcrb0365	5966	fcrb0567	6022	fcrb0673	6078	fcrb0855	6134	fcrb1019
5911	fcrb0366	5967	fcrb0568	6023	fcrb0677	6079	fcrb0870	6135	fcrb1020
5912	fcrb0367	5968	fcrb0569	6024	fcrb0678	6080	fcrb0881	6136	fcrb1021
5913	fcrb0369	5969	fcrb0574	6025	fcrb0681	6081	fcrb0887	6137	fcrb1022
5914	fcrb0370	5970	fcrb0575	6026	fcrb0682	6082	fcrb0894	6138	fcrb1023
5915	fcrb0371	5971	fcrb0576	6027	fcrb0684	6083	fcrb0896	6139	fcrb1024
5916	fcrb0372	5972	fcrb0577	6028	fcrb0686	6084	fcrb0904	6140	fcrb1026
5917	fcrb0374	5973	fcrb0582	6029	fcrb0687	6085	fcrb0907	6141	fcrb1027
5918	fcrb0376	5974	fcrb0583	6030	fcrb0688	6086	fcrb0909	6142	fcrb1030
5919	fcrb0377	5975	fcrb0584	6031	fcrb0689	6087	fcrb0910	6143	fcrb1032
5920	fcrb0378	5976	fcrb0585	6032	fcrb0693	6088	fcrb0916	6144	fcrb1033
5921	fcrb0381	5977	fcrb0587	6033	fcrb0696	6089	fcrb0920	6145	fcrb1034
5922	fcrb0382	5978	fcrb0590	6034	fcrb0697	6090	fcrb0924	6146	fcrb1035
5923	fcrb0384	5979	fcrb0591	6035	fcrb0702	6091	fcrb0926	6147	fcrb1037
5924	fcrb0385	5980	fcrb0592	6036	fcrb0703	6092	fcrb0938	6148	fcrb1038
5925	fcrb0386	5981	fcrb0593	6037	fcrb0704	6093	fcrb0946	6149	fcrb1039
5926	fcrb0388	5982	fcrb0598	6038	fcrb0709	6094	fcrb0952	6150	fcrb1040
5927	fcrb0389	5983	fcrb0599	6039	fcrb0710	6095	fcrb0954	6151	fcrb1041
5928	fcrb0397	5984	fcrb0600	6040	fcrb0712	6096	fcrb0956	6152	fcrb1042
5929	fcrb0398	5985	fcrb0601	6041	fcrb0715	6097	fcrb0957	6153	fcrb1044
5930	fcrb0399	5986	fcrb0602	6042	fcrb0716	6098	fcrb0958	6154	fcrb1045
5931	fcrb0401	5987	fcrb0606	6043	fcrb0717	6099	fcrb0959	6155	fcrb1048
5932	fcrb0402	5988	fcrb0607	6044	fcrb0718	6100	fcrb0960	6156	fcrb1052
5933	fcrb0403	5989	fcrb0608	6045	fcrb0720	6101	fcrb0961	6157	fcrb1053
5934	fcrb0404	5990	fcrb0613	6046	fcrb0721	6102	fcrb0963	6158	fcrb1054
5935	fcrb0406	5991	fcrb0614	6047	fcrb0726	6103	fcrb0966	6159	fcrb1056
5936	fcrb0407	5992	fcrb0615	6048	fcrb0727	6104	fcrb0970	6160	fcrb1058



Figure 6B – Continued

6161	fcrb1059	6217	fcrb1164	6273	fcrb1249	6329	fcrb1344	6385	fcrb1420
6162	fcrb1063	6218	fcrb1165	6274	fcrb1255	6330	fcrb1345	6386	fcrb1421
6163	fcrb1065	6219	fcrb1166	6275	fcrb1257	6331	fcrb1346	6387	fcrb1423
6164	fcrb1066	6220	fcrb1168	6276	fcrb1258	6332	fcrb1348	6388	fcrb1425
6165	fcrb1068	6221	fcrb1169	6277	fcrb1259	6333	fcrb1349	6389	fcrb1427
6166	fcrb1069	6222	fcrb1172	6278	fcrb1260	6334	fcrb1350	6390	fcrb1428
6167	fcrb1070	6223	fcrb1173	6279	fcrb1261	6335	fcrb1352	6391	fcrb1429
6168	fcrb1072	6224	fcrb1174	6280	fcrb1262	6336	fcrb1353	6392	fcrb1430
6169	fcrb1073	6225	fcrb1175	6281	fcrb1264	6337	fcrb1354	6393	fcrb1431
6170	fcrb1075	6226	fcrb1176	6282	fcrb1265	6338	fcrb1355	6394	fcrb1432
6171	fcrb1076	6227	fcrb1178	6283	fcrb1267	6339	fcrb1356	6395	fcrb1433
6172	fcrb1079	6228	fcrb1181	6284	fcrb1271	6340	fcrb1357	6396	fcrb1434
6173	fcrb1080	6229	fcrb1182	6285	fcrb1272	6341	fcrb1359	6397	fcrb1435
6174	fcrb1081	6230	fcrb1183	6286	fcrb1282	6342	fcrb1360	6398	fcrb1436
6175	fcrb1082	6231	fcrb1184	6287	fcrb1283	6343	fcrb1361	6399	fcrb1437
6176	fcrb1083	6232	fcrb1185	6288	fcrb1286	6344	fcrb1362	6400	fcrb1439
6177	fcrb1085	6233	fcrb1186	6289	fcrb1288	6345	fcrb1364	6401	fcrb1441
6178	fcrb1088	6234	fcrb1187	6290	fcrb1289	6346	fcrb1366	6402	fcrb1442
6179	fcrb1090	6235	fcrb1190	6291	fcrb1290	6347	fcrb1368	6403	fcrb1443
6180	fcrb1091	6236	fcrb1191	6292	fcrb1291	6348	fcrb1369	6404	fcrb1446
6181	fcrb1093	6237	fcrb1192	6293	fcrb1294	6349	fcrb1370	6405	fcrb1448
6182	fcrb1095	6238	fcrb1193	6294	fcrb1295	6350	fcrb1371	6406	fcrb1449
6183	fcrb1096	6239	fcrb1194	6295	fcrb1296	6351	fcrb1372	6407	fcrb1450
6184	fcrb1101	6240	fcrb1195	6296	fcrb1297	6352	fcrb1373	6408	fcrb1451
6185	fcrb1102	6241	fcrb1198	6297	fcrb1299	6353	fcrb1376	6409	fcrb1452
6186	fcrb1103	6242	fcrb1199	6298	fcrb1302	6354	fcrb1377	6410	fcrb1453
6187	fcrb1107	6243	fcrb1200	6299	fcrb1303	6355	fcrb1378	6411	fcrb1454
6188	fcrb1115	6244	fcrb1201	6300	fcrb1304	6356	fcrb1379	6412	fcrb1455
6189	fcrb1116	6245	fcrb1202	6301	fcrb1305	6357	fcrb1380	6413	fcrb1457
6190	fcrb1117	6246	fcrb1203	6302	fcrb1306	6358	fcrb1381	6414	fcrb1458
6191	fcrb1120	6247	fcrb1204	6303	fcrb1307	6359	fcrb1382	6415	fcrb1460
6192	fcrb1121	6248	fcrb1206	6304	fcrb1310	6360	fcrb1386	6416	fcrb1462
6193	fcrb1122	6249	fcrb1207	6305	fcrb1311	6361	fcrb1387	6417	fcrb1464
6194	fcrb1128	6250	fcrb1208	6306	fcrb1312	6362	fcrb1388	6418	fcrb1465
6195	fcrb1130	6251	fcrb1209	6307	fcrb1313	6363	fcrb1390	6419	fcrb1466
6196	fcrb1133	6252	fcrb1210	6308	fcrb1314	6364	fcrb1391	6420	fcrb1469
6197	fcrb1134	6253	fcrb1214	6309	fcrb1315	6365	fcrb1392	6421	fcrb1472
6198	fcrb1135	6254	fcrb1218	6310	fcrb1318	6366	fcrb1394	6422	fcrb1473
6199	fcrb1136	6255	fcrb1219	6311	fcrb1320	6367	fcrb1395	6423	fcrb1474
6200	fcrb1138	6256	fcrb1223	6312	fcrb1321	6368	fcrb1396	6424	fcrb1476
6201	fcrb1142	6257	fcrb1224	6313	fcrb1322	6369	fcrb1397	6425	fcrb1477
6202	fcrb1144	6258	fcrb1225	6314	fcrb1323	6370	fcrb1399	6426	fcrb1478
6203	fcrb1145	6259	fcrb1226	6315	fcrb1326	6371	fcrb1400	6427	fcrb1479
6204	fcrb1146	6260	fcrb1227	6316	fcrb1327	6372	fcrb1401	6428	fcrb1480
6205	fcrb1150	6261	fcrb1229	6317	fcrb1328	6373	fcrb1402	6429	fcrb1481
6206	fcrb1151	6262	fcrb1230	6318	fcrb1329	6374	fcrb1405	6430	fcrb1482
6207	fcrb1152	6263	fcrb1231	6319	fcrb1332	6375	fcrb1406	6431	fcrb1483
6208	fcrb1153	6264	fcrb1232	6320	fcrb1333	6376	fcrb1407	6432	fcrb1484
6209	fcrb1155	6265	fcrb1234	6321	fcrb1334	6377	fcrb1409	6433	fcrb1485
6210	fcrb1157	6266	fcrb1236	6322	fcrb1335	6378	fcrb1411	6434	fcrb1486
6211	fcrb1158	6267	fcrb1241	6323	fcrb1336	6379	fcrb1412	6435	fcrb1487
6212	fcrb1159	6268	fcrb1242	6324	fcrb1337	6380	fcrb1414	6436	fcrb1488
6213	fcrb1160	6269	fcrb1243	6325	fcrb1339	6381	fcrb1416	6437	fcrb1489
6214	fcrb1161	6270	fcrb1246	6326	fcrb1340	6382	fcrb1417	6438	fcrb1490
6215	fcrb1162	6271	fcrb1247	6327	fcrb1341	6383	fcrb1418	6439	fcrb1491
6216	fcrb1163	6272	fcrb1248	6328	fcrb1343	6384	fcrb1419	6440	fcrb1492

Figure 6B - Continued

6441	fcrb1493	6497	fcrb1561	6553	fcrb1629	6609	fcrb1702	6665	fcrb1778
6442	fcrb1494	6498	fcrb1562	6554	fcrb1631	6610	fcrb1703	6666	fcrb1779
6443	fcrb1496	6499	fcrb1563	6555	fcrb1633	6611	fcrb1705	6667	fcrb1780
6444	fcrb1497	6500	fcrb1564	6556	fcrb1635	6612	fcrb1706	6668	fcrb1782
6445	fcrb1498	6501	fcrb1567	6557	fcrb1637	6613	fcrb1707	6669	fcrb1784
6446	fcrb1500	6502	fcrb1568	6558	fcrb1638	6614	fcrb1708	6670	fcrb1785
6447	fcrb1501	6503	fcrb1569	6559	fcrb1639	6615	fcrb1710	6671	fcrb1787
6448	fcrb1502	6504	fcrb1570	6560	fcrb1640	6616	fcrb1711	6672	fcrb1788
6449	fcrb1503	6505	fcrb1573	6561	fcrb1641	6617	fcrb1712	6673	fcrb1789
6450	fcrb1504	6506	fcrb1574	6562	fcrb1644	6618	fcrb1714	6674	fcrb1790
6451	fcrb1505	6507	fcrb1575	6563	fcrb1645	6619	fcrb1715	6675	fcrb1791
6452	fcrb1506	6508	fcrb1577	6564	fcrb1647	6620	fcrb1716	6676	fcrb1792
6453	fcrb1507	6509	fcrb1578	6565	fcrb1648	6621	fcrb1717	6677	fcrb1793
6454	fcrb1508	6510	fcrb1579	6566	fcrb1650	6622	fcrb1718	6678	fcrb1795
6455	fcrb1509	6511	fcrb1580	6567	fcrb1652	6623	fcrb1719	6679	fcrb1797
6456	fcrb1510	6512	fcrb1581	6568	fcrb1653	6624	fcrb1720	6680	fcrb1798
6457	fcrb1511	6513	fcrb1582	6569	fcrb1654	6625	fcrb1721	6681	fcrb1800
6458	fcrb1513	6514	fcrb1583	6570	fcrb1656	6626	fcrb1722	6682	fcrb1801
6459	fcrb1514	6515	fcrb1584	6571	fcrb1657	6627	fcrb1724	6683	fcrb1803
6460	fcrb1515	6516	fcrb1586	6572	fcrb1659	6628	fcrb1725	6684	fcrb1804
6461	fcrb1516	6517	fcrb1587	6573	fcrb1660	6629	fcrb1727	6685	fcrb1805
6462	fcrb1518	6518	fcrb1588	6574	fcrb1661	6630	fcrb1728	6686	fcrb1806
6463	fcrb1519	6519	fcrb1589	6575	fcrb1663	6631	fcrb1729	6687	fcrb1807
6464	fcrb1520	6520	fcrb1590	6576	fcrb1664	6632	fcrb1730	6688	fcrb1809
6465	fcrb1521	6521	fcrb1592	6577	fcrb1665	6633	fcrb1731	6689	fcrb1811
6466	fcrb1522	6522	fcrb1593	6578	fcrb1666	6634	fcrb1733	6690	fcrb1813
6467	fcrb1523	6523	fcrb1594	6579	fcrb1669	6635	fcrb1734	6691	fcrb1815
6468	fcrb1524	6524	fcrb1595	6580	fcrb1670	6636	fcrb1737	6692	fcrb1817
6469	fcrb1525	6525	fcrb1596	6581	fcrb1672	6637	fcrb1739	6693	fcrb1819
6470	fcrb1527	6526	fcrb1597	6582	fcrb1673	6638	fcrb1740	6694	fcrb1820
6471	fcrb1528	6527	fcrb1598	6583	fcrb1674	6639	fcrb1741	6695	fcrb1821
6472	fcrb1529	6528	fcrb1599	6584	fcrb1676	6640	fcrb1742	6696	fcrb1823
6473	fcrb1530	6529	fcrb1600	6585	fcrb1677	6641	fcrb1744	6697	fcrb1824
6474	fcrb1531	6530	fcrb1601	6586	fcrb1678	6642	fcrb1745	6698	fcrb1825
6475	fcrb1532	6531	fcrb1602	6587	fcrb1679	6643	fcrb1749	6699	fcrb1826
6476	fcrb1533	6532	fcrb1603	6588	fcrb1680	6644	fcrb1750	6700	fcrb1827
6477	fcrb1535	6533	fcrb1604	6589	fcrb1681	6645	fcrb1752	6701	fcrb1828
6478	fcrb1536	6534	fcrb1605	6590	fcrb1682	6646	fcrb1753	6702	fcrb1830
6479	fcrb1538	6535	fcrb1607	6591	fcrb1683	6647	fcrb1755	6703	fcrb1833
6480	fcrb1539	6536	fcrb1608	6592	fcrb1684	6648	fcrb1756	6704	fcrb1834
6481	fcrb1540	6537	fcrb1611	6593	fcrb1685	6649	fcrb1759	6705	fcrb1835
6482	fcrb1541	6538	fcrb1612	6594	fcrb1686	6650	fcrb1760	6706	fcrb1836
6483	fcrb1544	6539	fcrb1614	6595	fcrb1687	6651	fcrb1761	6707	fcrb1837
6484	fcrb1545	6540	fcrb1615	6596	fcrb1688	6652	fcrb1762	6708	fcrb1838
6485	fcrb1546	6541	fcrb1616	6597	fcrb1689	6653	fcrb1763	6709	fcrb1839
6486	fcrb1547	6542	fcrb1617	6598	fcrb1690	6654	fcrb1764	6710	fcrb1840
6487	fcrb1548	6543	fcrb1618	6599	fcrb1691	6655	fcrb1766	6711	fcrb1841
6488	fcrb1549	6544	fcrb1619	6600	fcrb1693	6656	fcrb1767	6712	fcrb1844
6489	fcrb1550	6545	fcrb1620	6601	fcrb1694	6657	fcrb1768	6713	fcrb1845
6490	fcrb1552	6546	fcrb1621	6602	fcrb1695	6658	fcrb1769	6714	fcrb1846
6491	fcrb1553	6547	fcrb1622	6603	fcrb1696	6659	fcrb1771	6715	fcrb1848
6492	fcrb1554	6548	fcrb1623	6604	fcrb1697	6660	fcrb1772	6716	fcrb1849
6493	fcrb1556	6549	fcrb1624	6605	fcrb1698	6661	fcrb1773	6717	fcrb1850
6494	fcrb1557	6550	fcrb1625	6606	fcrb1699	6662	fcrb1775	6718	fcrb1851
6495	fcrb1558	6551	fcrb1627	6607	fcrb1700	6663	fcrb1776	6719	fcrb1852
6496	fcrb1560	6552	fcrb1628	6608	fcrb1701	6664	fcrb1777	6720	fcrb1853

Figure 6B - Continued

6721	fcrb1854	6777	fcrb1932	6833	fcrb2004	6889	fcrb2079	6945	fcrb2150
6722	fcrb1855	6778	fcrb1933	6834	fcrb2005	6890	fcrb2080	6946	fcrb2151
6723	fcrb1856	6779	fcrb1934	6835	fcrb2007	6891	fcrb2081	6947	fcrb2152
6724	fcrb1857	6780	fcrb1936	6836	fcrb2008	6892	fcrb2083	6948	fcrb2153
6725	fcrb1860	6781	fcrb1937	6837	fcrb2011	6893	fcrb2084	6949	fcrb2155
6726	fcrb1862	6782	fcrb1940	6838	fcrb2012	6894	fcrb2085	6950	fcrb2156
6727	fcrb1864	6783	fcrb1941	6839	fcrb2013	6895	fcrb2086	6951	fcrb2157
6728	fcrb1865	6784	fcrb1942	6840	fcrb2015	6896	fcrb2087	6952	fcrb2158
6729	fcrb1866	6785	fcrb1944	6841	fcrb2016	6897	fcrb2089	6953	fcrb2159
6730	fcrb1867	6786	fcrb1945	6842	fcrb2017	6898	fcrb2090	6954	fcrb2160
6731	fcrb1868	6787	fcrb1947	6843	fcrb2018	6899	fcrb2091	6955	fcrb2161
6732	fcrb1869	6788	fcrb1948	6844	fcrb2020	6900	fcrb2092	6956	fcrb2162
6733	fcrb1870	6789	fcrb1949	6845	fcrb2021	6901	fcrb2093	6957	fcrb2163
6734	fcrb1871	6790	fcrb1950	6846	fcrb2023	6902	fcrb2094	6958	fcrb2164
6735	fcrb1872	6791	fcrb1951	6847	fcrb2024	6903	fcrb2095	6959	fcrb2165
6736	fcrb1874	6792	fcrb1952	6848	fcrb2025	6904	fcrb2097	6960	fcrb2166
6737	fcrb1875	6793	fcrb1953	6849	fcrb2028	6905	fcrb2098	6961	fcrb2167
6738	fcrb1876	6794	fcrb1954	6850	fcrb2029	6906	fcrb2100	6962	fcrb2168
6739	fcrb1877	6795	fcrb1956	6851	fcrb2030	6907	fcrb2101	6963	fcrb2169
6740	fcrb1880	6796	fcrb1959	6852	fcrb2031	6908	fcrb2102	6964	fcrb2173
6741	fcrb1881	6797	fcrb1960	6853	fcrb2032	6909	fcrb2103	6965	fcrb2174
6742	fcrb1884	6798	fcrb1961	6854	fcrb2033	6910	fcrb2104	6966	fcrb2175
6743	fcrb1885	6799	fcrb1962	6855	fcrb2034	6911	fcrb2105	6967	fcrb2176
6744	fcrb1886	6800	fcrb1963	6856	fcrb2036	6912	fcrb2106	6968	fcrb2177
6745	fcrb1888	6801	fcrb1964	6857	fcrb2037	6913	fcrb2107	6969	fcrb2178
6746	fcrb1889	6802	fcrb1965	6858	fcrb2038	6914	fcrb2109	6970	fcrb2179
6747	fcrb1890	6803	fcrb1967	6859	fcrb2039	6915	fcrb2110	6971	fcrb2181
6748	fcrb1892	6804	fcrb1968	6860	fcrb2040	6916	fcrb2111	6972	fcrb2182
6749	fcrb1893	6805	fcrb1969	6861	fcrb2041	6917	fcrb2112	6973	fcrb2184
6750	fcrb1894	6806	fcrb1970	6862	fcrb2042	6918	fcrb2113	6974	fcrb2185
6751	fcrb1898	6807	fcrb1972	6863	fcrb2043	6919	fcrb2115	6975	fcrb2186
6752	fcrb1899	6808	fcrb1973	6864	fcrb2044	6920	fcrb2116	6976	fcrb2187
6753	fcrb1900	6809	fcrb1974	6865	fcrb2045	6921	fcrb2117	6977	fcrb2188
6754	fcrb1901	6810	fcrb1976	6866	fcrb2046	6922	fcrb2118	6978	fcrb2189
6755	fcrb1902	6811	fcrb1977	6867	fcrb2049	6923	fcrb2119	6979	fcrb2190
6756	fcrb1903	6812	fcrb1978	6868	fcrb2051	6924	fcrb2120	6980	fcrb2191
6757	fcrb1904	6813	fcrb1979	6869	fcrb2054	6925	fcrb2122	6981	fcrb2192
6758	fcrb1906	6814	fcrb1980	6870	fcrb2055	6926	fcrb2124	6982	fcrb2193
6759	fcrb1909	6815	fcrb1981	6871	fcrb2057	6927	fcrb2126	6983	fcrb2195
6760	fcrb1912	6816	fcrb1982	6872	fcrb2058	6928	fcrb2127	6984	fcrb2196
6761	fcrb1913	6817	fcrb1984	6873	fcrb2059	6929	fcrb2128	6985	fcrb2197
6762	fcrb1914	6818	fcrb1985	6874	fcrb2060	6930	fcrb2130	6986	fcrb2198
6763	fcrb1915	6819	fcrb1986	6875	fcrb2061	6931	fcrb2133	6987	fcrb2199
6764	fcrb1916	6820	fcrb1988	6876	fcrb2063	6932	fcrb2134	6988	fcrb2200
6765	fcrb1917	6821	fcrb1989	6877	fcrb2064	6933	fcrb2135	6989	fcrb2201
6766	fcrb1918	6822	fcrb1990	6878	fcrb2066	6934	fcrb2136	6990	fcrb2203
6767	fcrb1919	6823	fcrb1992	6879	fcrb2067	6935	fcrb2137	6991	fcrb2205
6768	fcrb1920	6824	fcrb1993	6880	fcrb2068	6936	fcrb2138	6992	fcrb2206
6769	fcrb1921	6825	fcrb1995	6881	fcrb2069	6937	fcrb2139	6993	fcrb2207
6770	fcrb1922	6826	fcrb1996	6882	fcrb2070	6938	fcrb2140	6994	fcrb2208
6771	fcrb1923	6827	fcrb1998	6883	fcrb2071	6939	fcrb2141	6995	fcrb2209
6772	fcrb1924	6828	fcrb1999	6884	fcrb2072	6940	fcrb2143	6996	fcrb2210
6773	fcrb1925	6829	fcrb2000	6885	fcrb2075	6941	fcrb2144	6997	fcrb2211
6774	fcrb1926	6830	fcrb2001	6886	fcrb2076	6942	fcrb2145	6998	fcrb2212
6775	fcrb1929	6831	fcrb2002	6887	fcrb2077	6943	fcrb2146	6999	fcrb2213
6776	fcrb1930	6832	fcrb2003	6888	fcrb2078	6944	fcrb2149	7000	fcrb2214

Figure 6B - Continued

7001	fcrb2217	7057	fcrb2293	7113	fcrb2365	7169	fcrb2451	7225	fcrb2526
7002	fcrb2218	7058	fcrb2294	7114	fcrb2368	7170	fcrb2452	7226	fcrb2528
7003	fcrb2219	7059	fcrb2295	7115	fcrb2370	7171	fcrb2453	7227	fcrb2532
7004	fcrb2220	7060	fcrb2297	7116	fcrb2371	7172	fcrb2454	7228	fcrb2534
7005	fcrb2221	7061	fcrb2298	7117	fcrb2373	7173	fcrb2457	7229	fcrb2535
7006	fcrb2223	7062	fcrb2299	7118	fcrb2376	7174	fcrb2458	7230	fcrb2536
7007	fcrb2224	7063	fcrb2300	7119	fcrb2377	7175	fcrb2459	7231	fcrb2538
7008	fcrb2225	7064	fcrb2301	7120	fcrb2379	7176	fcrb2460	7232	fcrb2540
7009	fcrb2228	7065	fcrb2302	7121	fcrb2380	7177	fcrb2461	7233	fcrb2541
7010	fcrb2229	7066	fcrb2303	7122	fcrb2381	7178	fcrb2462	7234	fcrb2542
7011	fcrb2230	7067	fcrb2304	7123	fcrb2382	7179	fcrb2463	7235	fcrb2543
7012	fcrb2232	7068	fcrb2305	7124	fcrb2383	7180	fcrb2466	7236	fcrb2544
7013	fcrb2234	7069	fcrb2306	7125	fcrb2387	7181	fcrb2467	7237	fcrb2545
7014	fcrb2235	7070	fcrb2307	7126	fcrb2388	7182	fcrb2468	7238	fcrb2546
7015	fcrb2236	7071	fcrb2308	7127	fcrb2389	7183	fcrb2472	7239	fcrb2547
7016	fcrb2237	7072	fcrb2309	7128	fcrb2390	7184	fcrb2473	7240	fcrb2548
7017	fcrb2238	7073	fcrb2310	7129	fcrb2392	7185	fcrb2474	7241	fcrb2549
7018	fcrb2239	7074	fcrb2313	7130	fcrb2393	7186	fcrb2476	7242	fcrb2550
7019	fcrb2241	7075	fcrb2314	7131	fcrb2394	7187	fcrb2477	7243	fcrb2552
7020	fcrb2244	7076	fcrb2315	7132	fcrb2395	7188	fcrb2478	7244	fcrb2553
7021	fcrb2245	7077	fcrb2316	7133	fcrb2396	7189	fcrb2479	7245	fcrb2554
7022	fcrb2246	7078	fcrb2317	7134	fcrb2397	7190	fcrb2480	7246	fcrb2556
7023	fcrb2247	7079	fcrb2318	7135	fcrb2398	7191	fcrb2482	7247	fcrb2557
7024	fcrb2248	7080	fcrb2319	7136	fcrb2400	7192	fcrb2483	7248	fcrb2558
7025	fcrb2249	7081	fcrb2320	7137	fcrb2401	7193	fcrb2484	7249	fcrb2559
7026	fcrb2251	7082	fcrb2321	7138	fcrb2403	7194	fcrb2485	7250	fcrb2560
7027	fcrb2252	7083	fcrb2325	7139	fcrb2404	7195	fcrb2486	7251	fcrb2562
7028	fcrb2253	7084	fcrb2326	7140	fcrb2406	7196	fcrb2487	7252	fcrb2563
7029	fcrb2254	7085	fcrb2328	7141	fcrb2408	7197	fcrb2491	7253	fcrb2564
7030	fcrb2255	7086	fcrb2329	7142	fcrb2409	7198	fcrb2492	7254	fcrb2565
7031	fcrb2256	7087	fcrb2330	7143	fcrb2412	7199	fcrb2493	7255	fcrb2566
7032	fcrb2257	7088	fcrb2331	7144	fcrb2413	7200	fcrb2494	7256	fcrb2568
7033	fcrb2258	7089	fcrb2332	7145	fcrb2414	7201	fcrb2495	7257	fcrb2569
7034	fcrb2260	7090	fcrb2334	7146	fcrb2416	7202	fcrb2497	7258	fcrb2571
7035	fcrb2261	7091	fcrb2336	7147	fcrb2420	7203	fcrb2499	7259	fcrb2572
7036	fcrb2262	7092	fcrb2337	7148	fcrb2421	7204	fcrb2500	7260	fcrb2573
7037	fcrb2264	7093	fcrb2338	7149	fcrb2422	7205	fcrb2501	7261	fcrb2574
7038	fcrb2269	7094	fcrb2340	7150	fcrb2424	7206	fcrb2502	7262	fcrb2575
7039	fcrb2270	7095	fcrb2342	7151	fcrb2426	7207	fcrb2504	7263	fcrb2576
7040	fcrb2271	7096	fcrb2343	7152	fcrb2427	7208	fcrb2505	7264	fcrb2577
7041	fcrb2272	7097	fcrb2344	7153	fcrb2429	7209	fcrb2506	7265	fcrb2579
7042	fcrb2273	7098	fcrb2346	7154	fcrb2430	7210	fcrb2507	7266	fcrb2580
7043	fcrb2275	7099	fcrb2348	7155	fcrb2432	7211	fcrb2508	7267	fcrb2581
7044	fcrb2276	7100	fcrb2349	7156	fcrb2433	7212	fcrb2509	7268	fcrb2582
7045	fcrb2277	7101	fcrb2350	7157	fcrb2434	7213	fcrb2510	7269	fcrb2583
7046	fcrb2279	7102	fcrb2351	7158	fcrb2436	7214	fcrb2511	7270	fcrb2585
7047	fcrb2280	7103	fcrb2352	7159	fcrb2437	7215	fcrb2512	7271	fcrb2586
7048	fcrb2282	7104	fcrb2353	7160	fcrb2438	7216	fcrb2513	7272	fcrb2588
7049	fcrb2283	7105	fcrb2354	7161	fcrb2440	7217	fcrb2516	7273	fcrb2590
7050	fcrb2284	7106	fcrb2355	7162	fcrb2441	7218	fcrb2517	7274	fcrb2591
7051	fcrb2285	7107	fcrb2356	7163	fcrb2442	7219	fcrb2518	7275	fcrb2592
7052	fcrb2286	7108	fcrb2358	7164	fcrb2444	7220	fcrb2520	7276	fcrb2593
7053	fcrb2288	7109	fcrb2360	7165	fcrb2445	7221	fcrb2521	7277	fcrb2594
7054	fcrb2289	7110	fcrb2361	7166	fcrb2447	7222	fcrb2523	7278	fcrb2595
7055	fcrb2291	7111	fcrb2363	7167	fcrb2449	7223	fcrb2524	7279	fcrb2596
7056	fcrb2292	7112	fcrb2364	7168	fcrb2450	7224	fcrb2525	7280	fcrb2597

Figure 6B - Continued

7281	fcrb2598	7337	fcrb2682	7393	fcrb2768	7449	hfc0064	7505	hfc0143
7282	fcrb2601	7338	fcrb2685	7394	fcrb2769	7450	hfc0065	7506	hfc0145
7283	fcrb2602	7339	fcrb2687	7395	hfc0001	7451	hfc0066	7507	hfc0147
7284	fcrb2603	7340	fcrb2689	7396	hfc0003	7452	hfc0067	7508	hfc0149
7285	fcrb2605	7341	fcrb2690	7397	hfc0004	7453	hfc0068	7509	hfc0150
7286	fcrb2608	7342	fcrb2692	7398	hfc0005	7454	hfc0070	7510	hfc0153
7287	fcrb2612	7343	fcrb2693	7399	hfc0006	7455	hfc0071	7511	hfc0154
7288	fcrb2613	7344	fcrb2696	7400	hfc0008	7456	hfc0073	7512	hfc0155
7289	fcrb2614	7345	fcrb2697	7401	hfc0010	7457	hfc0074	7513	hfc0156
7290	fcrb2616	7346	fcrb2700	7402	hfc0011	7458	hfc0075	7514	hfc0157
7291	fcrb2618	7347	fcrb2703	7403	hfc0012	7459	hfc0076	7515	hfc0158
7292	fcrb2619	7348	fcrb2704	7404	hfc0013	7460	hfc0077	7516	hfc0159
7293	fcrb2620	7349	fcrb2705	7405	hfc0014	7461	hfc0078	7517	hfc0161
7294	fcrb2621	7350	fcrb2709	7406	hfc0015	7462	hfc0079	7518	hfc0162
7295	fcrb2622	7351	fcrb2710	7407	hfc0016	7463	hfc0080	7519	hfc0163
7296	fcrb2624	7352	fcrb2713	7408	hfc0017	7464	hfc0081	7520	hfc0164
7297	fcrb2625	7353	fcrb2715	7409	hfc0018	7465	hfc0082	7521	hfc0166
7298	fcrb2626	7354	fcrb2717	7410	hfc0020	7466	hfc0084	7522	hfc0167
7299	fcrb2628	7355	fcrb2719	7411	hfc0021	7467	hfc0085	7523	hfc0170
7300	fcrb2629	7356	fcrb2722	7412	hfc0022	7468	hfc0086	7524	hfc0171
7301	fcrb2630	7357	fcrb2724	7413	hfc0023	7469	hfc0087	7525	hfc0173
7302	fcrb2631	7358	fcrb2725	7414	hfc0024	7470	hfc0088	7526	hfc0174
7303	fcrb2632	7359	fcrb2726	7415	hfc0025	7471	hfc0089	7527	hfc0175
7304	fcrb2633	7360	fcrb2727	7416	hfc0026	7472	hfc0091	7528	hfc0177
7305	fcrb2634	7361	fcrb2731	7417	hfc0027	7473	hfc0092	7529	hfc0178
7306	fcrb2635	7362	fcrb2732	7418	hfc0028	7474	hfc0093	7530	hfc0180
7307	fcrb2636	7363	fcrb2733	7419	hfc0029	7475	hfc0095	7531	hfc0181
7308	fcrb2637	7364	fcrb2735	7420	hfc0030	7476	hfc0096	7532	hfc0182
7309	fcrb2638	7365	fcrb2736	7421	hfc0032	7477	hfc0099	7533	hfc0183
7310	fcrb2639	7366	fcrb2737	7422	hfc0033	7478	hfc0100	7534	hfc0184
7311	fcrb2640	7367	fcrb2738	7423	hfc0034	7479	hfc0102	7535	hfc0187
7312	fcrb2643	7368	fcrb2739	7424	hfc0035	7480	hfc0108	7536	hfc0188
7313	fcrb2644	7369	fcrb2740	7425	hfc0037	7481	hfc0112	7537	hfc0189
7314	fcrb2645	7370	fcrb2742	7426	hfc0039	7482	hfc0113	7538	hfc0191
7315	fcrb2646	7371	fcrb2743	7427	hfc0040	7483	hfc0114	7539	hfc0192
7316	fcrb2647	7372	fcrb2744	7428	hfc0041	7484	hfc0116	7540	hfc0196
7317	fcrb2648	7373	fcrb2745	7429	hfc0042	7485	hfc0117	7541	hfc0197
7318	fcrb2649	7374	fcrb2746	7430	hfc0043	7486	hfc0118	7542	hfc0198
7319	fcrb2651	7375	fcrb2748	7431	hfc0044	7487	hfc0119	7543	hfc0199
7320	fcrb2652	7376	fcrb2749	7432	hfc0045	7488	hfc0120	7544	hfc0200
7321	fcrb2656	7377	fcrb2750	7433	hfc0046	7489	hfc0121	7545	hfc0203
7322	fcrb2657	7378	fcrb2751	7434	hfc0047	7490	hfc0122	7546	hfc0204
7323	fcrb2658	7379	fcrb2753	7435	hfc0048	7491	hfc0123	7547	hfc0205
7324	fcrb2660	7380	fcrb2754	7436	hfc0049	7492	hfc0124	7548	hfc0206
7325	fcrb2661	7381	fcrb2755	7437	hfc0051	7493	hfc0125	7549	hfc0207
7326	fcrb2662	7382	fcrb2756	7438	hfc0053	7494	hfc0128	7550	hfc0210
7327	fcrb2664	7383	fcrb2757	7439	hfc0054	7495	hfc0129	7551	hfc0212
7328	fcrb2667	7384	fcrb2758	7440	hfc0055	7496	hfc0130	7552	hfc0214
7329	fcrb2668	7385	fcrb2759	7441	hfc0056	7497	hfc0131	7553	hfc0215
7330	fcrb2671	7386	fcrb2760	7442	hfc0057	7498	hfc0133	7554	hfc0217
7331	fcrb2672	7387	fcrb2761	7443	hfc0058	7499	hfc0136	7555	hfc0220
7332	fcrb2675	7388	fcrb2762	7444	hfc0059	7500	hfc0138	7556	hfc0221
7333	fcrb2676	7389	fcrb2763	7445	hfc0060	7501	hfc0139	7557	hfc0222
7334	fcrb2677	7390	fcrb2764	7446	hfc0061	7502	hfc0140	7558	hfc0225
7335	fcrb2678	7391	fcrb2765	7447	hfc0062	7503	hfc0141	7559	hfc0226
7336	fcrb2680	7392	fcrb2767	7448	hfc0063	7504	hfc0142	7560	hfc0227

Figure 6B – Continued

7561	hfc0228	7617	hfc0302	7673	hfc0368	7729	hfc0428	7785	hfc0496
7562	hfc0229	7618	hfc0303	7674	hfc0369	7730	hfc0430	7786	hfc0497
7563	hfc0234	7619	hfc0304	7675	hfc0370	7731	hfc0431	7787	hfc0498
7564	hfc0235	7620	hfc0305	7676	hfc0371	7732	hfc0432	7788	hfc0499
7565	hfc0236	7621	hfc0307	7677	hfc0372	7733	hfc0433	7789	hfc0501
7566	hfc0237	7622	hfc0308	7678	hfc0374	7734	hfc0434	7790	hfc0502
7567	hfc0238	7623	hfc0309	7679	hfc0375	7735	hfc0436	7791	hfc0503
7568	hfc0239	7624	hfc0310	7680	hfc0376	7736	hfc0438	7792	hfc0504
7569	hfc0240	7625	hfc0311	7681	hfc0377	7737	hfc0439	7793	hfc0505
7570	hfc0241	7626	hfc0312	7682	hfc0378	7738	hfc0441	7794	hfc0506
7571	hfc0242	7627	hfc0315	7683	hfc0379	7739	hfc0442	7795	hfc0508
7572	hfc0243	7628	hfc0316	7684	hfc0380	7740	hfc0444	7796	hfc0509
7573	hfc0246	7629	hfc0317	7685	hfc0381	7741	hfc0445	7797	hfc0510
7574	hfc0247	7630	hfc0318	7686	hfc0382	7742	hfc0446	7798	hfc0511
7575	hfc0248	7631	hfc0319	7687	hfc0383	7743	hfc0448	7799	hfc0512
7576	hfc0250	7632	hfc0320	7688	hfc0384	7744	hfc0449	7800	hfc0513
7577	hfc0252	7633	hfc0321	7689	hfc0385	7745	hfc0450	7801	hfc0514
7578	hfc0254	7634	hfc0322	7690	hfc0386	7746	hfc0452	7802	hfc0515
7579	hfc0255	7635	hfc0324	7691	hfc0387	7747	hfc0453	7803	hfc0516
7580	hfc0256	7636	hfc0325	7692	hfc0390	7748	hfc0454	7804	hfc0517
7581	hfc0257	7637	hfc0326	7693	hfc0391	7749	hfc0456	7805	hfc0518
7582	hfc0258	7638	hfc0327	7694	hfc0392	7750	hfc0457	7806	hfc0519
7583	hfc0259	7639	hfc0328	7695	hfc0393	7751	hfc0458	7807	hfc0520
7584	hfc0260	7640	hfc0330	7696	hfc0394	7752	hfc0459	7808	hfc0521
7585	hfc0262	7641	hfc0331	7697	hfc0395	7753	hfc0460	7809	hfc0522
7586	hfc0263	7642	hfc0332	7698	hfc0396	7754	hfc0463	7810	hfc0523
7587	hfc0265	7643	hfc0333	7699	hfc0398	7755	hfc0464	7811	hfc0524
7588	hfc0266	7644	hfc0334	7700	hfc0399	7756	hfc0465	7812	hfc0525
7589	hfc0267	7645	hfc0335	7701	hfc0400	7757	hfc0466	7813	hfc0527
7590	hfc0269	7646	hfc0336	7702	hfc0401	7758	hfc0467	7814	hfc0528
7591	hfc0270	7647	hfc0337	7703	hfc0402	7759	hfc0468	7815	hfc0529
7592	hfc0271	7648	hfc0338	7704	hfc0403	7760	hfc0469	7816	hfc0530
7593	hfc0273	7649	hfc0339	7705	hfc0404	7761	hfc0470	7817	hfc0531
7594	hfc0274	7650	hfc0341	7706	hfc0405	7762	hfc0471	7818	hfc0532
7595	hfc0275	7651	hfc0342	7707	hfc0406	7763	hfc0472	7819	hfc0533
7596	hfc0276	7652	hfc0343	7708	hfc0407	7764	hfc0473	7820	hfc0534
7597	hfc0277	7653	hfc0344	7709	hfc0408	7765	hfc0474	7821	hfc0535
7598	hfc0278	7654	hfc0345	7710	hfc0409	7766	hfc0475	7822	hfc0536
7599	hfc0279	7655	hfc0346	7711	hfc0410	7767	hfc0476	7823	hfc0538
7600	hfc0280	7656	hfc0347	7712	hfc0411	7768	hfc0477	7824	hfc0539
7601	hfc0281	7657	hfc0348	7713	hfc0412	7769	hfc0478	7825	hfc0540
7602	hfc0282	7658	hfc0349	7714	hfc0413	7770	hfc0479	7826	hfc0541
7603	hfc0284	7659	hfc0350	7715	hfc0414	7771	hfc0480	7827	hfc0542
7604	hfc0285	7660	hfc0351	7716	hfc0415	7772	hfc0481	7828	hfc0543
7605	hfc0287	7661	hfc0352	7717	hfc0416	7773	hfc0482	7829	hfc0544
7606	hfc0288	7662	hfc0354	7718	hfc0417	7774	hfc0483	7830	hfc0545
7607	hfc0290	7663	hfc0356	7719	hfc0418	7775	hfc0484	7831	hfc0546
7608	hfc0291	7664	hfc0357	7720	hfc0419	7776	hfc0485	7832	hfc0547
7609	hfc0292	7665	hfc0358	7721	hfc0420	7777	hfc0486	7833	hfc0548
7610	hfc0293	7666	hfc0359	7722	hfc0421	7778	hfc0487	7834	hfc0549
7611	hfc0294	7667	hfc0360	7723	hfc0422	7779	hfc0488	7835	hfc0550
7612	hfc0295	7668	hfc0361	7724	hfc0423	7780	hfc0489	7836	hfc0551
7613	hfc0297	7669	hfc0362	7725	hfc0424	7781	hfc0491	7837	hfc0554
7614	hfc0298	7670	hfc0363	7726	hfc0425	7782	hfc0493	7838	hfc0555
7615	hfc0299	7671	hfc0365	7727	hfc0426	7783	hfc0494	7839	hfc0556
7616	hfc0300	7672	hfc0366	7728	hfc0427	7784	hfc0495	7840	hfc0557

Figure 6B - Continued

7841	hfc0558	7897	hfc0632	7953	hfc0713	8009	hfc0789	8065	hfc0879
7842	hfc0559	7898	hfc0633	7954	hfc0715	8010	hfc0790	8066	hfc0882
7843	hfc0560	7899	hfc0634	7955	hfc0716	8011	hfc0791	8067	hfc0884
7844	hfc0561	7900	hfc0635	7956	hfc0717	8012	hfc0792	8068	hfc0886
7845	hfc0562	7901	hfc0636	7957	hfc0718	8013	hfc0797	8069	hfc0887
7846	hfc0563	7902	hfc0638	7958	hfc0720	8014	hfc0798	8070	hfc0889
7847	hfc0565	7903	hfc0639	7959	hfc0721	8015	hfc0801	8071	hfc0890
7848	hfc0566	7904	hfc0645	7960	hfc0722	8016	hfc0802	8072	hfc0892
7849	hfc0567	7905	hfc0650	7961	hfc0723	8017	hfc0805	8073	hfc0893
7850	hfc0568	7906	hfc0651	7962	hfc0724	8018	hfc0806	8074	hfc0894
7851	hfc0569	7907	hfc0652	7963	hfc0725	8019	hfc0807	8075	hfc0895
7852	hfc0570	7908	hfc0656	7964	hfc0728	8020	hfc0808	8076	hfc0896
7853	hfc0571	7909	hfc0657	7965	hfc0730	8021	hfc0813	8077	hfc0898
7854	hfc0572	7910	hfc0662	7966	hfc0731	8022	hfc0815	8078	hfc0899
7855	hfc0573	7911	hfc0663	7967	hfc0732	8023	hfc0817	8079	hfc0900
7856	hfc0574	7912	hfc0664	7968	hfc0733	8024	hfc0818	8080	hfc0901
7857	hfc0575	7913	hfc0665	7969	hfc0734	8025	hfc0819	8081	hfc0902
7858	hfc0576	7914	hfc0666	7970	hfc0735	8026	hfc0820	8082	hfc0906
7859	hfc0579	7915	hfc0667	7971	hfc0736	8027	hfc0821	8083	hfc0908
7860	hfc0580	7916	hfc0668	7972	hfc0737	8028	hfc0822	8084	hfc0910
7861	hfc0581	7917	hfc0669	7973	hfc0738	8029	hfc0825	8085	hfc0912
7862	hfc0582	7918	hfc0670	7974	hfc0739	8030	hfc0826	8086	hfc0913
7863	hfc0584	7919	hfc0673	7975	hfc0740	8031	hfc0827	8087	hfc0916
7864	hfc0586	7920	hfc0674	7976	hfc0742	8032	hfc0828	8088	hfc0918
7865	hfc0587	7921	hfc0675	7977	hfc0743	8033	hfc0829	8089	hfc0921
7866	hfc0588	7922	hfc0676	7978	hfc0745	8034	hfc0830	8090	hfc0922
7867	hfc0593	7923	hfc0677	7979	hfc0746	8035	hfc0831	8091	hfc0923
7868	hfc0594	7924	hfc0678	7980	hfc0747	8036	hfc0832	8092	hfc0928
7869	hfc0595	7925	hfc0679	7981	hfc0748	8037	hfc0835	8093	hfc0929
7870	hfc0596	7926	hfc0681	7982	hfc0749	8038	hfc0836	8094	hfc0931
7871	hfc0599	7927	hfc0682	7983	hfc0750	8039	hfc0837	8095	hfc0933
7872	hfc0601	7928	hfc0683	7984	hfc0751	8040	hfc0838	8096	hfc0934
7873	hfc0602	7929	hfc0684	7985	hfc0753	8041	hfc0839	8097	hfc0937
7874	hfc0604	7930	hfc0686	7986	hfc0754	8042	hfc0840	8098	hfc0938
7875	hfc0605	7931	hfc0687	7987	hfc0756	8043	hfc0841	8099	hfc0940
7876	hfc0607	7932	hfc0688	7988	hfc0757	8044	hfc0842	8100	hfc0941
7877	hfc0608	7933	hfc0689	7989	hfc0758	8045	hfc0843	8101	hfc0942
7878	hfc0609	7934	hfc0691	7990	hfc0760	8046	hfc0844	8102	hfc0944
7879	hfc0610	7935	hfc0692	7991	hfc0761	8047	hfc0846	8103	hfc0945
7880	hfc0611	7936	hfc0693	7992	hfc0762	8048	hfc0847	8104	hfc0946
7881	hfc0612	7937	hfc0694	7993	hfc0763	8049	hfc0849	8105	hfc0947
7882	hfc0613	7938	hfc0695	7994	hfc0765	8050	hfc0851	8106	hfc0950
7883	hfc0614	7939	hfc0696	7995	hfc0766	8051	hfc0852	8107	hfc0952
7884	hfc0615	7940	hfc0697	7996	hfc0768	8052	hfc0853	8108	hfc0953
7885	hfc0616	7941	hfc0698	7997	hfc0770	8053	hfc0854	8109	hfc0954
7886	hfc0617	7942	hfc0699	7998	hfc0772	8054	hfc0855	8110	hfc0957
7887	hfc0618	7943	hfc0700	7999	hfc0774	8055	hfc0856	8111	hfc0959
7888	hfc0619	7944	hfc0702	8000	hfc0776	8056	hfc0857	8112	hfc0960
7889	hfc0621	7945	hfc0705	8001	hfc0778	8057	hfc0858	8113	hfc0961
7890	hfc0622	7946	hfc0706	8002	hfc0780	8058	hfc0859	8114	hfc0962
7891	hfc0624	7947	hfc0707	8003	hfc0782	8059	hfc0861	8115	hfc0963
7892	hfc0625	7948	hfc0708	8004	hfc0783	8060	hfc0862	8116	hfc0964
7893	hfc0626	7949	hfc0709	8005	hfc0784	8061	hfc0863	8117	hfc0966
7894	hfc0629	7950	hfc0710	8006	hfc0786	8062	hfc0868	8118	hfc0967
7895	hfc0630	7951	hfc0711	8007	hfc0787	8063	hfc0872	8119	hfc0968
7896	hfc0631	7952	hfc0712	8008	hfc0788	8064	hfc0873	8120	hfc0969

Figure 6B - Continued

8121	hfer0971	8177	hfer1060	8233	hfer1136	8289	hfer1212	8345	hfer1291
8122	hfer0973	8178	hfer1063	8234	hfer1137	8290	hfer1213	8346	hfer1292
8123	hfer0974	8179	hfer1064	8235	hfer1138	8291	hfer1214	8347	hfer1293
8124	hfer0975	8180	hfer1065	8236	hfer1139	8292	hfer1215	8348	hfer1295
8125	hfer0976	8181	hfer1066	8237	hfer1140	8293	hfer1217	8349	hfer1296
8126	hfer0977	8182	hfer1067	8238	hfer1141	8294	hfer1219	8350	hfer1297
8127	hfer0978	8183	hfer1069	8239	hfer1142	8295	hfer1220	8351	hfer1298
8128	hfer0979	8184	hfer1071	8240	hfer1144	8296	hfer1221	8352	hfer1302
8129	hfer0980	8185	hfer1072	8241	hfer1145	8297	hfer1225	8353	hfer1303
8130	hfer0981	8186	hfer1073	8242	hfer1148	8298	hfer1228	8354	hfer1304
8131	hfer0982	8187	hfer1074	8243	hfer1149	8299	hfer1229	8355	hfer1306
8132	hfer0985	8188	hfer1075	8244	hfer1151	8300	hfer1230	8356	hfer1307
8133	hfer0990	8189	hfer1076	8245	hfer1152	8301	hfer1231	8357	hfer1308
8134	hfer0991	8190	hfer1077	8246	hfer1156	8302	hfer1232	8358	hfer1309
8135	hfer0993	8191	hfer1078	8247	hfer1157	8303	hfer1233	8359	hfer1310
8136	hfer0996	8192	hfer1079	8248	hfer1159	8304	hfer1234	8360	hfer1311
8137	hfer0997	8193	hfer1080	8249	hfer1161	8305	hfer1235	8361	hfer1312
8138	hfer0998	8194	hfer1081	8250	hfer1163	8306	hfer1236	8362	hfer1313
8139	hfer1000	8195	hfer1082	8251	hfer1164	8307	hfer1238	8363	hfer1314
8140	hfer1001	8196	hfer1083	8252	hfer1165	8308	hfer1240	8364	hfer1315
8141	hfer1002	8197	hfer1084	8253	hfer1166	8309	hfer1250	8365	hfer1316
8142	hfer1010	8198	hfer1085	8254	hfer1167	8310	hfer1251	8366	hfer1317
8143	hfer1011	8199	hfer1090	8255	hfer1170	8311	hfer1252	8367	hfer1318
8144	hfer1013	8200	hfer1093	8256	hfer1171	8312	hfer1253	8368	hfer1320
8145	hfer1014	8201	hfer1095	8257	hfer1174	8313	hfer1254	8369	hfer1321
8146	hfer1016	8202	hfer1096	8258	hfer1175	8314	hfer1255	8370	hfer1322
8147	hfer1018	8203	hfer1098	8259	hfer1177	8315	hfer1256	8371	hfer1323
8148	hfer1019	8204	hfer1101	8260	hfer1178	8316	hfer1257	8372	hfer1324
8149	hfer1020	8205	hfer1103	8261	hfer1179	8317	hfer1259	8373	hfer1325
8150	hfer1023	8206	hfer1104	8262	hfer1180	8318	hfer1260	8374	hfer1326
8151	hfer1024	8207	hfer1105	8263	hfer1183	8319	hfer1262	8375	hfer1327
8152	hfer1025	8208	hfer1106	8264	hfer1184	8320	hfer1263	8376	hfer1328
8153	hfer1027	8209	hfer1107	8265	hfer1185	8321	hfer1264	8377	hfer1330
8154	hfer1028	8210	hfer1109	8266	hfer1188	8322	hfer1265	8378	hfer1331
8155	hfer1031	8211	hfer1110	8267	hfer1189	8323	hfer1267	8379	hfer1332
8156	hfer1032	8212	hfer1111	8268	hfer1190	8324	hfer1269	8380	hfer1333
8157	hfer1034	8213	hfer1112	8269	hfer1191	8325	hfer1270	8381	hfer1334
8158	hfer1035	8214	hfer1113	8270	hfer1192	8326	hfer1271	8382	hfer1335
8159	hfer1036	8215	hfer1115	8271	hfer1193	8327	hfer1272	8383	hfer1336
8160	hfer1037	8216	hfer1116	8272	hfer1194	8328	hfer1274	8384	hfer1338
8161	hfer1038	8217	hfer1117	8273	hfer1195	8329	hfer1275	8385	hfer1339
8162	hfer1039	8218	hfer1119	8274	hfer1196	8330	hfer1276	8386	hfer1340
8163	hfer1040	8219	hfer1120	8275	hfer1197	8331	hfer1277	8387	hfer1341
8164	hfer1041	8220	hfer1121	8276	hfer1198	8332	hfer1278	8388	hfer1342
8165	hfer1042	8221	hfer1123	8277	hfer1199	8333	hfer1279	8389	hfer1343
8166	hfer1043	8222	hfer1124	8278	hfer1200	8334	hfer1280	8390	hfer1344
8167	hfer1045	8223	hfer1125	8279	hfer1201	8335	hfer1281	8391	hfer1345
8168	hfer1046	8224	hfer1126	8280	hfer1202	8336	hfer1282	8392	hfer1346
8169	hfer1047	8225	hfer1127	8281	hfer1203	8337	hfer1283	8393	hfer1347
8170	hfer1048	8226	hfer1128	8282	hfer1204	8338	hfer1284	8394	hfer1348
8171	hfer1051	8227	hfer1129	8283	hfer1205	8339	hfer1285	8395	hfer1349
8172	hfer1053	8228	hfer1130	8284	hfer1207	8340	hfer1286	8396	hfer1350
8173	hfer1054	8229	hfer1131	8285	hfer1208	8341	hfer1287	8397	hfer1351
8174	hfer1055	8230	hfer1132	8286	hfer1209	8342	hfer1288	8398	hfer1352
8175	hfer1057	8231	hfer1133	8287	hfer1210	8343	hfer1289	8399	hfer1353
8176	hfer1059	8232	hfer1135	8288	hfer1211	8344	hfer1290	8400	hfer1354



Figure 6B – Continued

8401	hfc1355	8457	hfc1424	8513	hfc1532	8569	hfc1632	8625	hfc1712
8402	hfc1356	8458	hfc1425	8514	hfc1533	8570	hfc1633	8626	hfc1713
8403	hfc1358	8459	hfc1426	8515	hfc1534	8571	hfc1634	8627	hfc1714
8404	hfc1359	8460	hfc1427	8516	hfc1535	8572	hfc1635	8628	hfc1715
8405	hfc1360	8461	hfc1428	8517	hfc1536	8573	hfc1637	8629	hfc1716
8406	hfc1362	8462	hfc1429	8518	hfc1538	8574	hfc1638	8630	hfc1717
8407	hfc1363	8463	hfc1431	8519	hfc1540	8575	hfc1639	8631	hfc1719
8408	hfc1364	8464	hfc1432	8520	hfc1541	8576	hfc1640	8632	hfc1720
8409	hfc1365	8465	hfc1433	8521	hfc1543	8577	hfc1641	8633	hfc1721
8410	hfc1367	8466	hfc1434	8522	hfc1544	8578	hfc1642	8634	hfc1722
8411	hfc1368	8467	hfc1435	8523	hfc1546	8579	hfc1644	8635	hfc1723
8412	hfc1369	8468	hfc1436	8524	hfc1549	8580	hfc1645	8636	hfc1724
8413	hfc1370	8469	hfc1438	8525	hfc1552	8581	hfc1646	8637	hfc1725
8414	hfc1371	8470	hfc1444	8526	hfc1553	8582	hfc1647	8638	hfc1726
8415	hfc1372	8471	hfc1446	8527	hfc1554	8583	hfc1648	8639	hfc1727
8416	hfc1373	8472	hfc1450	8528	hfc1555	8584	hfc1651	8640	hfc1728
8417	hfc1375	8473	hfc1453	8529	hfc1558	8585	hfc1653	8641	hfc1730
8418	hfc1376	8474	hfc1455	8530	hfc1560	8586	hfc1654	8642	hfc1731
8419	hfc1377	8475	hfc1456	8531	hfc1564	8587	hfc1655	8643	hfc1732
8420	hfc1378	8476	hfc1458	8532	hfc1565	8588	hfc1656	8644	hfc1733
8421	hfc1379	8477	hfc1461	8533	hfc1571	8589	hfc1657	8645	hfc1734
8422	hfc1380	8478	hfc1462	8534	hfc1573	8590	hfc1659	8646	hfc1738
8423	hfc1381	8479	hfc1465	8535	hfc1575	8591	hfc1661	8647	hfc1739
8424	hfc1382	8480	hfc1466	8536	hfc1577	8592	hfc1667	8648	hfc1740
8425	hfc1383	8481	hfc1468	8537	hfc1578	8593	hfc1668	8649	hfc1741
8426	hfc1384	8482	hfc1469	8538	hfc1580	8594	hfc1669	8650	hfc1742
8427	hfc1385	8483	hfc1470	8539	hfc1581	8595	hfc1671	8651	hfc1743
8428	hfc1386	8484	hfc1472	8540	hfc1583	8596	hfc1672	8652	hfc1744
8429	hfc1387	8485	hfc1477	8541	hfc1590	8597	hfc1674	8653	hfc1745
8430	hfc1388	8486	hfc1478	8542	hfc1591	8598	hfc1675	8654	hfc1747
8431	hfc1391	8487	hfc1480	8543	hfc1592	8599	hfc1677	8655	hfc1748
8432	hfc1392	8488	hfc1482	8544	hfc1596	8600	hfc1678	8656	hfc1749
8433	hfc1393	8489	hfc1483	8545	hfc1598	8601	hfc1679	8657	hfc1750
8434	hfc1394	8490	hfc1484	8546	hfc1599	8602	hfc1682	8658	hfc1752
8435	hfc1395	8491	hfc1487	8547	hfc1600	8603	hfc1683	8659	hfc1754
8436	hfc1396	8492	hfc1488	8548	hfc1603	8604	hfc1684	8660	hfc1755
8437	hfc1397	8493	hfc1490	8549	hfc1604	8605	hfc1685	8661	hfc1756
8438	hfc1398	8494	hfc1491	8550	hfc1605	8606	hfc1686	8662	hfc1757
8439	hfc1401	8495	hfc1493	8551	hfc1607	8607	hfc1688	8663	hfc1758
8440	hfc1402	8496	hfc1494	8552	hfc1608	8608	hfc1689	8664	hfc1759
8441	hfc1403	8497	hfc1499	8553	hfc1610	8609	hfc1690	8665	hfc1760
8442	hfc1404	8498	hfc1500	8554	hfc1611	8610	hfc1691	8666	hfc1762
8443	hfc1405	8499	hfc1503	8555	hfc1612	8611	hfc1692	8667	hfc1763
8444	hfc1406	8500	hfc1504	8556	hfc1613	8612	hfc1693	8668	hfc1764
8445	hfc1408	8501	hfc1505	8557	hfc1615	8613	hfc1694	8669	hfc1765
8446	hfc1409	8502	hfc1507	8558	hfc1616	8614	hfc1695	8670	hfc1766
8447	hfc1410	8503	hfc1508	8559	hfc1620	8615	hfc1696	8671	hfc1767
8448	hfc1411	8504	hfc1510	8560	hfc1621	8616	hfc1697	8672	hfc1768
8449	hfc1413	8505	hfc1512	8561	hfc1622	8617	hfc1698	8673	hfc1769
8450	hfc1414	8506	hfc1517	8562	hfc1623	8618	hfc1699	8674	hfc1770
8451	hfc1415	8507	hfc1521	8563	hfc1625	8619	hfc1700	8675	hfc1771
8452	hfc1416	8508	hfc1522	8564	hfc1626	8620	hfc1703	8676	hfc1772
8453	hfc1418	8509	hfc1523	8565	hfc1627	8621	hfc1707	8677	hfc1773
8454	hfc1419	8510	hfc1525	8566	hfc1628	8622	hfc1709	8678	hfc1774
8455	hfc1420	8511	hfc1527	8567	hfc1630	8623	hfc1710	8679	hfc1775
8456	hfc1422	8512	hfc1531	8568	hfc1631	8624	hfc1711	8680	hfc1776

Figure 6B – Continued

8681	hfc1777	8737	hfc1846	8793	hfc1910	8849	hfc2030	8905	hfc2201
8682	hfc1778	8738	hfc1847	8794	hfc1911	8850	hfc2031	8906	hfc2209
8683	hfc1779	8739	hfc1848	8795	hfc1913	8851	hfc2032	8907	hfc2212
8684	hfc1781	8740	hfc1850	8796	hfc1914	8852	hfc2033	8908	hfc2213
8685	hfc1782	8741	hfc1851	8797	hfc1915	8853	hfc2035	8909	hfc2214
8686	hfc1783	8742	hfc1853	8798	hfc1916	8854	hfc2037	8910	hfc2216
8687	hfc1784	8743	hfc1854	8799	hfc1917	8855	hfc2040	8911	hfc2217
8688	hfc1785	8744	hfc1855	8800	hfc1918	8856	hfc2041	8912	hfc2218
8689	hfc1787	8745	hfc1856	8801	hfc1919	8857	hfc2042	8913	hfc2220
8690	hfc1788	8746	hfc1857	8802	hfc1920	8858	hfc2043	8914	hfc2221
8691	hfc1789	8747	hfc1858	8803	hfc1921	8859	hfc2044	8915	hfc2224
8692	hfc1791	8748	hfc1859	8804	hfc1922	8860	hfc2045	8916	hfc2225
8693	hfc1792	8749	hfc1860	8805	hfc1924	8861	hfc2046	8917	hfc2227
8694	hfc1793	8750	hfc1861	8806	hfc1925	8862	hfc2047	8918	hfc2229
8695	hfc1795	8751	hfc1862	8807	hfc1926	8863	hfc2048	8919	hfc2230
8696	hfc1796	8752	hfc1863	8808	hfc1927	8864	hfc2049	8920	hfc2231
8697	hfc1798	8753	hfc1864	8809	hfc1928	8865	hfc2050	8921	hfc2233
8698	hfc1799	8754	hfc1865	8810	hfc1930	8866	hfc2051	8922	hfc2234
8699	hfc1800	8755	hfc1866	8811	hfc1931	8867	hfc2052	8923	hfc2235
8700	hfc1802	8756	hfc1867	8812	hfc1932	8868	hfc2053	8924	hfc2237
8701	hfc1803	8757	hfc1868	8813	hfc1933	8869	hfc2054	8925	hfc2238
8702	hfc1804	8758	hfc1869	8814	hfc1934	8870	hfc2055	8926	hfc2239
8703	hfc1805	8759	hfc1870	8815	hfc1937	8871	hfc2058	8927	hfc2243
8704	hfc1806	8760	hfc1872	8816	hfc1939	8872	hfc2060	8928	hfc2245
8705	hfc1807	8761	hfc1873	8817	hfc1941	8873	hfc2061	8929	hfc2250
8706	hfc1808	8762	hfc1874	8818	hfc1944	8874	hfc2062	8930	hfc2251
8707	hfc1809	8763	hfc1875	8819	hfc1945	8875	hfc2063	8931	hfc2252
8708	hfc1810	8764	hfc1876	8820	hfc1947	8876	hfc2064	8932	hfc2253
8709	hfc1811	8765	hfc1877	8821	hfc1948	8877	hfc2065	8933	hfc2254
8710	hfc1813	8766	hfc1878	8822	hfc1949	8878	hfc2066	8934	hfc2256
8711	hfc1814	8767	hfc1879	8823	hfc1950	8879	hfc2068	8935	hfc2262
8712	hfc1815	8768	hfc1880	8824	hfc1951	8880	hfc2069	8936	hfc2263
8713	hfc1816	8769	hfc1881	8825	hfc1952	8881	hfc2070	8937	hfc2264
8714	hfc1820	8770	hfc1882	8826	hfc1955	8882	hfc2071	8938	hfc2267
8715	hfc1821	8771	hfc1883	8827	hfc1956	8883	hfc2073	8939	hfc2269
8716	hfc1822	8772	hfc1885	8828	hfc1959	8884	hfc2074	8940	hfc2271
8717	hfc1823	8773	hfc1886	8829	hfc1960	8885	hfc2075	8941	hfc2275
8718	hfc1824	8774	hfc1887	8830	hfc1963	8886	hfc2076	8942	hfc2282
8719	hfc1825	8775	hfc1888	8831	hfc1964	8887	hfc2077	8943	hfc2284
8720	hfc1826	8776	hfc1890	8832	hfc1965	8888	hfc2078	8944	hfc2287
8721	hfc1827	8777	hfc1891	8833	hfc1968	8889	hfc2079	8945	hfc2288
8722	hfc1828	8778	hfc1894	8834	hfc1973	8890	hfc2080	8946	hfc2294
8723	hfc1829	8779	hfc1896	8835	hfc1974	8891	hfc2081	8947	hfc2295
8724	hfc1830	8780	hfc1897	8836	hfc1977	8892	hfc2082	8948	hfc2296
8725	hfc1831	8781	hfc1898	8837	hfc1978	8893	hfc2084	8949	hfc2297
8726	hfc1832	8782	hfc1899	8838	hfc2017	8894	hfc2114	8950	hfc2299
8727	hfc1834	8783	hfc1900	8839	hfc2018	8895	hfc2128	8951	hfc2301
8728	hfc1835	8784	hfc1901	8840	hfc2020	8896	hfc2129	8952	hfc2306
8729	hfc1836	8785	hfc1902	8841	hfc2021	8897	hfc2131	8953	hfc2310
8730	hfc1838	8786	hfc1903	8842	hfc2022	8898	hfc2138	8954	hfc2312
8731	hfc1839	8787	hfc1904	8843	hfc2023	8899	hfc2140	8955	hfc2313
8732	hfc1840	8788	hfc1905	8844	hfc2024	8900	hfc2141	8956	hfc2314
8733	hfc1841	8789	hfc1906	8845	hfc2026	8901	hfc2148	8957	hfc2318
8734	hfc1842	8790	hfc1907	8846	hfc2027	8902	hfc2150	8958	hfc2319
8735	hfc1843	8791	hfc1908	8847	hfc2028	8903	hfc2166	8959	hfc2323
8736	hfc1844	8792	hfc1909	8848	hfc2029	8904	hfc2195	8960	hfc2324

Figure 6B - Continued

8961	hfc2328	9017	hfc2529	9073	hfc2601	9129	hfc2680	9185	hfc2756
8962	hfc2329	9018	hfc2530	9074	hfc2602	9130	hfc2682	9186	hfc2757
8963	hfc2330	9019	hfc2531	9075	hfc2603	9131	hfc2684	9187	hfc2758
8964	hfc2332	9020	hfc2532	9076	hfc2604	9132	hfc2685	9188	hfc2759
8965	hfc2334	9021	hfc2534	9077	hfc2607	9133	hfc2686	9189	hfc2760
8966	hfc2337	9022	hfc2535	9078	hfc2608	9134	hfc2687	9190	hfc2761
8967	hfc2340	9023	hfc2536	9079	hfc2609	9135	hfc2688	9191	hfc2763
8968	hfc2341	9024	hfc2537	9080	hfc2610	9136	hfc2689	9192	hfc2766
8969	hfc2342	9025	hfc2538	9081	hfc2613	9137	hfc2690	9193	hfc2767
8970	hfc2343	9026	hfc2539	9082	hfc2615	9138	hfc2693	9194	hfc2768
8971	hfc2344	9027	hfc2543	9083	hfc2616	9139	hfc2695	9195	hfc2770
8972	HFCR2365	9028	hfc2544	9084	hfc2617	9140	hfc2696	9196	hfc2772
8973	HFCR2366	9029	hfc2545	9085	hfc2618	9141	hfc2699	9197	hfc2774
8974	HFCR2367	9030	hfc2546	9086	hfc2619	9142	hfc2700	9198	hfc2777
8975	HFCR2375	9031	hfc2547	9087	hfc2621	9143	hfc2702	9199	hfc2778
8976	HFCR2376	9032	hfc2548	9088	hfc2622	9144	hfc2703	9200	hfc2780
8977	HFCR2378	9033	hfc2549	9089	hfc2623	9145	hfc2704	9201	hfc2781
8978	HFCR2379	9034	hfc2550	9090	hfc2624	9146	hfc2705	9202	hfc2782
8979	HFCR2380	9035	hfc2552	9091	hfc2626	9147	hfc2706	9203	hfc2783
8980	HFCR2381	9036	hfc2553	9092	hfc2627	9148	hfc2708	9204	hfc2784
8981	HFCR2384	9037	hfc2554	9093	hfc2628	9149	hfc2709	9205	hfc2786
8982	HFCR2386	9038	hfc2555	9094	hfc2629	9150	hfc2710	9206	hfc2787
8983	HFCR2388	9039	hfc2556	9095	hfc2631	9151	hfc2712	9207	hfc2789
8984	HFCR2389	9040	hfc2557	9096	hfc2632	9152	hfc2713	9208	hfc2790
8985	HFCR2390	9041	hfc2558	9097	hfc2633	9153	hfc2714	9209	hfc2791
8986	HFCR2391	9042	hfc2559	9098	hfc2635	9154	hfc2715	9210	hfc2792
8987	HFCR2399	9043	hfc2560	9099	hfc2637	9155	hfc2718	9211	hfc2793
8988	hfc2497	9044	hfc2563	9100	hfc2638	9156	hfc2719	9212	hfc2794
8989	hfc2498	9045	hfc2565	9101	hfc2639	9157	hfc2720	9213	hfc2795
8990	hfc2499	9046	hfc2567	9102	hfc2640	9158	hfc2721	9214	hfc2796
8991	hfc2501	9047	hfc2568	9103	hfc2641	9159	hfc2722	9215	hfc2797
8992	hfc2502	9048	hfc2569	9104	hfc2642	9160	hfc2723	9216	hfc2800
8993	hfc2503	9049	hfc2570	9105	hfc2643	9161	hfc2724	9217	hfc2801
8994	hfc2504	9050	hfc2572	9106	hfc2645	9162	hfc2725	9218	hfc2802
8995	hfc2505	9051	hfc2573	9107	hfc2646	9163	hfc2727	9219	hfc2803
8996	hfc2506	9052	hfc2574	9108	hfc2648	9164	hfc2728	9220	hfc2804
8997	hfc2508	9053	hfc2575	9109	hfc2651	9165	hfc2729	9221	hfc2806
8998	hfc2509	9054	hfc2576	9110	hfc2653	9166	hfc2730	9222	hfc2807
8999	hfc2510	9055	hfc2578	9111	hfc2654	9167	hfc2731	9223	hfc2808
9000	hfc2511	9056	hfc2580	9112	hfc2655	9168	hfc2732	9224	hfc2809
9001	hfc2512	9057	hfc2581	9113	hfc2656	9169	hfc2733	9225	hfc2810
9002	hfc2513	9058	hfc2582	9114	hfc2657	9170	hfc2735	9226	hfc2811
9003	hfc2514	9059	hfc2583	9115	hfc2658	9171	hfc2736	9227	hfc2812
9004	hfc2515	9060	hfc2584	9116	hfc2661	9172	hfc2737	9228	hfc2813
9005	hfc2516	9061	hfc2586	9117	hfc2664	9173	hfc2740	9229	hfc2814
9006	hfc2517	9062	hfc2587	9118	hfc2665	9174	hfc2742	9230	hfc2815
9007	hfc2519	9063	hfc2588	9119	hfc2666	9175	hfc2743	9231	hfc2817
9008	hfc2520	9064	hfc2589	9120	hfc2667	9176	hfc2744	9232	hfc2820
9009	hfc2521	9065	hfc2590	9121	hfc2668	9177	hfc2747	9233	hfc2821
9010	hfc2522	9066	hfc2591	9122	hfc2669	9178	hfc2748	9234	hfc2822
9011	hfc2523	9067	hfc2592	9123	hfc2670	9179	hfc2749	9235	hfc2823
9012	hfc2524	9068	hfc2595	9124	hfc2672	9180	hfc2750	9236	hfc2824
9013	hfc2525	9069	hfc2596	9125	hfc2673	9181	hfc2752	9237	hfc2825
9014	hfc2526	9070	hfc2598	9126	hfc2674	9182	hfc2753	9238	hfc2827
9015	hfc2527	9071	hfc2599	9127	hfc2677	9183	hfc2754	9239	hfc2828
9016	hfc2528	9072	hfc2600	9128	hfc2678	9184	hfc2755	9240	hfc2831

Figure 6B - Continued

9241	hfc2832	9297	hfc2909	9353	hfc2982	9409	hfc3047	9465	HFCR3136
9242	hfc2833	9298	hfc2910	9354	hfc2983	9410	hfc3048	9466	HFCR3137
9243	hfc2834	9299	hfc2911	9355	hfc2984	9411	hfc3050	9467	HFCR3138
9244	hfc2836	9300	hfc2912	9356	hfc2985	9412	hfc3051	9468	HFCR3139
9245	hfc2837	9301	hfc2913	9357	hfc2986	9413	hfc3052	9469	HFCR3140
9246	hfc2838	9302	hfc2915	9358	hfc2989	9414	hfc3054	9470	HFCR3141
9247	hfc2839	9303	hfc2916	9359	hfc2990	9415	hfc3056	9471	HFCR3142
9248	hfc2842	9304	hfc2917	9360	hfc2991	9416	hfc3058	9472	HFCR3143
9249	hfc2844	9305	hfc2918	9361	hfc2992	9417	hfc3059	9473	HFCR3144
9250	hfc2846	9306	hfc2919	9362	hfc2993	9418	hfc3060	9474	HFCR3145
9251	hfc2850	9307	hfc2921	9363	hfc2994	9419	hfc3063	9475	HFCR3146
9252	hfc2851	9308	hfc2923	9364	hfc2995	9420	hfc3064	9476	HFCR3147
9253	hfc2852	9309	hfc2926	9365	hfc2996	9421	hfc3065	9477	HFCR3148
9254	hfc2854	9310	hfc2927	9366	hfc2999	9422	hfc3067	9478	HFCR3149
9255	hfc2856	9311	hfc2928	9367	hfc3001	9423	hfc3068	9479	HFCR3150
9256	hfc2857	9312	hfc2930	9368	hfc3002	9424	hfc3069	9480	HFCR3152
9257	hfc2859	9313	hfc2931	9369	hfc3003	9425	hfc3070	9481	HFCR3154
9258	hfc2860	9314	hfc2932	9370	hfc3004	9426	hfc3072	9482	HFCR3155
9259	hfc2861	9315	hfc2933	9371	hfc3005	9427	HFCR3073	9483	HFCR3156
9260	hfc2862	9316	hfc2934	9372	hfc3006	9428	HFCR3077	9484	HFCR3157
9261	hfc2863	9317	hfc2935	9373	hfc3007	9429	hfc3080	9485	HFCR3160
9262	hfc2864	9318	hfc2936	9374	hfc3008	9430	HFCR3081	9486	hfc3161
9263	hfc2865	9319	hfc2937	9375	hfc3009	9431	HFCR3082	9487	HFCR3162
9264	hfc2866	9320	hfc2938	9376	hfc3010	9432	HFCR3084	9488	HFCR3163
9265	hfc2867	9321	hfc2939	9377	hfc3011	9433	HFCR3087	9489	HFCR3164
9266	hfc2868	9322	hfc2940	9378	hfc3012	9434	HFCR3088	9490	HFCR3165
9267	hfc2869	9323	hfc2941	9379	hfc3014	9435	HFCR3089	9491	HFCR3166
9268	hfc2870	9324	hfc2942	9380	hfc3015	9436	HFCR3091	9492	HFCR3167
9269	hfc2871	9325	hfc2943	9381	hfc3016	9437	HFCR3092	9493	HFCR3168
9270	hfc2872	9326	hfc2945	9382	hfc3017	9438	HFCR3093	9494	HFCR3171
9271	hfc2873	9327	hfc2946	9383	hfc3018	9439	HFCR3094	9495	HFCR3175
9272	hfc2874	9328	hfc2947	9384	hfc3019	9440	HFCR3096	9496	HFCR3177
9273	hfc2875	9329	hfc2948	9385	hfc3020	9441	HFCR3097	9497	HFCR3180
9274	hfc2876	9330	hfc2950	9386	hfc3021	9442	HFCR3099	9498	HFCR3181
9275	hfc2877	9331	hfc2951	9387	hfc3022	9443	HFCR3100	9499	HFCR3182
9276	hfc2878	9332	hfc2952	9388	hfc3023	9444	HFCR3101	9500	HFCR3183
9277	hfc2879	9333	hfc2953	9389	hfc3024	9445	HFCR3103	9501	HFCR3184
9278	hfc2880	9334	hfc2955	9390	hfc3025	9446	HFCR3107	9502	HFCR3185
9279	hfc2882	9335	hfc2956	9391	hfc3026	9447	HFCR3108	9503	HFCR3186
9280	hfc2883	9336	hfc2957	9392	hfc3027	9448	HFCR3109	9504	HFCR3187
9281	hfc2885	9337	hfc2958	9393	hfc3028	9449	HFCR3110	9505	HFCR3189
9282	hfc2886	9338	hfc2959	9394	hfc3029	9450	HFCR3113	9506	HFCR3190
9283	hfc2887	9339	hfc2960	9395	hfc3030	9451	HFCR3115	9507	HFCR3191
9284	hfc2888	9340	hfc2961	9396	hfc3032	9452	HFCR3116	9508	HFCR3194
9285	hfc2890	9341	hfc2962	9397	hfc3033	9453	HFCR3117	9509	HFCR3195
9286	hfc2892	9342	hfc2963	9398	hfc3034	9454	HFCR3118	9510	HFCR3196
9287	hfc2894	9343	hfc2965	9399	hfc3035	9455	HFCR3119	9511	HFCR3197
9288	hfc2895	9344	hfc2966	9400	hfc3037	9456	HFCR3120	9512	HFCR3198
9289	hfc2896	9345	hfc2971	9401	hfc3038	9457	HFCR3125	9513	HFCR3199
9290	hfc2897	9346	hfc2975	9402	hfc3039	9458	HFCR3128	9514	HFCR3200
9291	hfc2899	9347	hfc2976	9403	hfc3040	9459	HFCR3130	9515	HFCR3201
9292	hfc2900	9348	hfc2977	9404	hfc3042	9460	HFCR3131	9516	HFCR3202
9293	hfc2905	9349	hfc2978	9405	hfc3043	9461	HFCR3132	9517	HFCR3203
9294	hfc2906	9350	hfc2979	9406	hfc3044	9462	HFCR3133	9518	HFCR3206
9295	hfc2907	9351	hfc2980	9407	hfc3045	9463	HFCR3134	9519	HFCR3207
9296	hfc2908	9352	hfc2981	9408	hfc3046	9464	HFCR3135	9520	HFCR3209

Figure 6B - Continued

9521	HFCR3210	9577	hfc3377	9633	hfc3444	9689	hfc3507	9745	hfc3588
9522	HFCR3211	9578	hfc3379	9634	hfc3445	9690	hfc3509	9746	hfc3589
9523	HFCR3212	9579	hfc3380	9635	hfc3446	9691	hfc3511	9747	hfc3591
9524	HFCR3214	9580	hfc3381	9636	hfc3447	9692	hfc3513	9748	hfc3592
9525	HFCR3215	9581	hfc3382	9637	hfc3448	9693	hfc3514	9749	hfc3593
9526	HFCR3218	9582	hfc3383	9638	hfc3450	9694	hfc3515	9750	hfc3594
9527	HFCR3220	9583	hfc3384	9639	hfc3451	9695	hfc3516	9751	hfc3596
9528	HFCR3222	9584	hfc3385	9640	hfc3453	9696	hfc3517	9752	hfc3597
9529	HFCR3223	9585	hfc3386	9641	hfc3454	9697	hfc3518	9753	hfc3598
9530	HFCR3224	9586	hfc3389	9642	hfc3455	9698	hfc3521	9754	hfc3600
9531	HFCR3225	9587	hfc3390	9643	hfc3457	9699	hfc3523	9755	hfc3601
9532	HFCR3226	9588	hfc3391	9644	hfc3458	9700	hfc3524	9756	hfc3602
9533	HFCR3228	9589	hfc3392	9645	hfc3459	9701	hfc3525	9757	hfc3603
9534	HFCR3231	9590	hfc3393	9646	hfc3460	9702	hfc3526	9758	hfc3604
9535	HFCR3233	9591	hfc3394	9647	hfc3461	9703	hfc3527	9759	hfc3605
9536	HFCR3234	9592	hfc3395	9648	hfc3462	9704	hfc3528	9760	hfc3608
9537	HFCR3235	9593	hfc3396	9649	hfc3463	9705	hfc3529	9761	hfc3609
9538	HFCR3236	9594	hfc3397	9650	hfc3464	9706	hfc3531	9762	hfc3610
9539	HFCR3237	9595	hfc3398	9651	hfc3465	9707	hfc3532	9763	hfc3611
9540	HFCR3238	9596	hfc3399	9652	hfc3466	9708	hfc3533	9764	hfc3612
9541	HFCR3239	9597	hfc3400	9653	hfc3467	9709	hfc3534	9765	hfc3613
9542	HFCR3240	9598	hfc3402	9654	hfc3468	9710	hfc3535	9766	hfc3614
9543	HFCR3241	9599	hfc3403	9655	hfc3469	9711	hfc3536	9767	hfc3615
9544	HFCR3243	9600	hfc3404	9656	hfc3470	9712	hfc3539	9768	hfc3616
9545	HFCR3246	9601	hfc3405	9657	hfc3471	9713	hfc3540	9769	hfc3620
9546	HFCR3247	9602	hfc3406	9658	hfc3472	9714	hfc3541	9770	hfc3622
9547	HFCR3249	9603	hfc3407	9659	hfc3473	9715	hfc3542	9771	hfc3625
9548	HFCR3250	9604	hfc3408	9660	hfc3474	9716	hfc3543	9772	hfc3627
9549	HFCR3251	9605	hfc3409	9661	hfc3475	9717	hfc3545	9773	hfc3628
9550	HFCR3252	9606	hfc3410	9662	hfc3476	9718	hfc3546	9774	hfc3629
9551	HFCR3254	9607	hfc3411	9663	hfc3477	9719	hfc3547	9775	hfc3630
9552	HFCR3255	9608	hfc3412	9664	hfc3479	9720	hfc3548	9776	hfc3631
9553	HFCR3256	9609	hfc3413	9665	hfc3481	9721	hfc3549	9777	hfc3632
9554	HFCR3260	9610	hfc3414	9666	hfc3482	9722	hfc3550	9778	hfc3633
9555	HFCR3261	9611	hfc3415	9667	hfc3483	9723	hfc3551	9779	hfc3634
9556	HFCR3262	9612	hfc3416	9668	hfc3484	9724	hfc3552	9780	hfc3635
9557	HFCR3263	9613	hfc3417	9669	hfc3485	9725	hfc3555	9781	hfc3639
9558	HFCR3264	9614	hfc3418	9670	hfc3486	9726	hfc3556	9782	hfc3642
9559	HFCR3276	9615	hfc3420	9671	hfc3487	9727	hfc3557	9783	hfc3644
9560	HFCR3282	9616	hfc3421	9672	hfc3488	9728	hfc3558	9784	hfc3645
9561	HFCR3283	9617	hfc3422	9673	hfc3489	9729	hfc3559	9785	hfc3647
9562	HFCR3284	9618	hfc3424	9674	hfc3490	9730	hfc3562	9786	hfc3649
9563	HFCR3285	9619	hfc3425	9675	hfc3491	9731	hfc3563	9787	hfc3650
9564	hfc3362	9620	hfc3427	9676	hfc3492	9732	hfc3565	9788	hfc3651
9565	hfc3363	9621	hfc3428	9677	hfc3493	9733	hfc3568	9789	hfc3652
9566	hfc3364	9622	hfc3432	9678	hfc3494	9734	hfc3570	9790	hfc3653
9567	hfc3365	9623	hfc3434	9679	hfc3496	9735	hfc3571	9791	hfc3654
9568	hfc3366	9624	hfc3435	9680	hfc3497	9736	hfc3572	9792	hfc3658
9569	hfc3367	9625	hfc3436	9681	hfc3498	9737	hfc3575	9793	hfc3659
9570	hfc3369	9626	hfc3437	9682	hfc3499	9738	hfc3576	9794	hfc3660
9571	hfc3370	9627	hfc3438	9683	hfc3500	9739	hfc3579	9795	hfc3665
9572	hfc3371	9628	hfc3439	9684	hfc3501	9740	hfc3580	9796	hfc3667
9573	hfc3373	9629	hfc3440	9685	hfc3502	9741	hfc3582	9797	hfc3670
9574	hfc3374	9630	hfc3441	9686	hfc3503	9742	hfc3583	9798	hfc3671
9575	hfc3375	9631	hfc3442	9687	hfc3504	9743	hfc3584	9799	hfc3672
9576	hfc3376	9632	hfc3443	9688	hfc3506	9744	hfc3587	9800	hfc3673

Figure 6B – Continued

9801	hfc3674	9857	hfc3747	9913	hfc3823	9969	hfc3897	10025	hfc3970
9802	hfc3675	9858	hfc3748	9914	hfc3827	9970	hfc3898	10026	hfc3971
9803	hfc3676	9859	hfc3749	9915	hfc3828	9971	hfc3899	10027	hfc3972
9804	hfc3677	9860	hfc3750	9916	hfc3830	9972	hfc3900	10028	hfc3974
9805	hfc3678	9861	hfc3751	9917	hfc3833	9973	hfc3901	10029	hfc3978
9806	hfc3679	9862	hfc3752	9918	hfc3834	9974	hfc3902	10030	hfc3979
9807	hfc3680	9863	hfc3753	9919	hfc3835	9975	hfc3903	10031	hfc3980
9808	hfc3682	9864	hfc3754	9920	hfc3837	9976	hfc3904	10032	hfc3981
9809	hfc3684	9865	hfc3756	9921	hfc3839	9977	hfc3905	10033	hfc3982
9810	hfc3686	9866	hfc3757	9922	hfc3840	9978	hfc3906	10034	hfc3983
9811	hfc3687	9867	hfc3758	9923	hfc3841	9979	hfc3908	10035	hfc3984
9812	hfc3690	9868	hfc3759	9924	hfc3842	9980	hfc3909	10036	hfc3986
9813	hfc3691	9869	hfc3760	9925	hfc3844	9981	hfc3911	10037	hfc3988
9814	hfc3692	9870	hfc3761	9926	hfc3845	9982	hfc3912	10038	hfc3990
9815	hfc3693	9871	hfc3762	9927	hfc3846	9983	hfc3913	10039	hfc3991
9816	hfc3694	9872	hfc3763	9928	hfc3847	9984	hfc3914	10040	hfc3994
9817	hfc3695	9873	hfc3764	9929	hfc3848	9985	hfc3915	10041	hfc3995
9818	hfc3698	9874	hfc3766	9930	hfc3853	9986	hfc3916	10042	hfc3996
9819	hfc3699	9875	hfc3767	9931	hfc3854	9987	hfc3917	10043	hfc3997
9820	hfc3700	9876	hfc3769	9932	hfc3855	9988	hfc3918	10044	hfc3998
9821	hfc3706	9877	hfc3770	9933	hfc3858	9989	hfc3919	10045	hfc3999
9822	hfc3707	9878	hfc3771	9934	hfc3859	9990	hfc3920	10046	hfc4000
9823	hfc3708	9879	hfc3772	9935	hfc3861	9991	hfc3921	10047	hfc4002
9824	hfc3711	9880	hfc3773	9936	hfc3862	9992	hfc3922	10048	hfc4004
9825	hfc3712	9881	hfc3774	9937	hfc3863	9993	hfc3923	10049	hfc4006
9826	hfc3713	9882	hfc3775	9938	hfc3864	9994	hfc3925	10050	hfc4007
9827	hfc3715	9883	hfc3776	9939	hfc3865	9995	hfc3926	10051	hfc4008
9828	hfc3716	9884	hfc3777	9940	hfc3866	9996	hfc3928	10052	hfc4010
9829	hfc3717	9885	hfc3778	9941	hfc3867	9997	hfc3929	10053	hfc4011
9830	hfc3718	9886	hfc3779	9942	hfc3868	9998	hfc3930	10054	hfc4012
9831	hfc3719	9887	hfc3781	9943	hfc3869	9999	hfc3931	10055	hfc4014
9832	hfc3720	9888	hfc3783	9944	hfc3871	10000	hfc3932	10056	hfc4015
9833	hfc3721	9889	hfc3784	9945	hfc3872	10001	hfc3933	10057	hfc4016
9834	hfc3722	9890	hfc3787	9946	hfc3873	10002	hfc3935	10058	hfc4018
9835	hfc3723	9891	hfc3790	9947	hfc3874	10003	hfc3936	10059	hfc4023
9836	hfc3724	9892	hfc3793	9948	hfc3875	10004	hfc3938	10060	hfc4024
9837	hfc3725	9893	hfc3794	9949	hfc3876	10005	hfc3940	10061	hfc4026
9838	hfc3726	9894	hfc3795	9950	hfc3877	10006	hfc3941	10062	hfc4027
9839	hfc3727	9895	hfc3796	9951	hfc3878	10007	hfc3942	10063	hfc4028
9840	hfc3729	9896	hfc3797	9952	hfc3879	10008	hfc3943	10064	hfc4031
9841	hfc3730	9897	hfc3798	9953	hfc3880	10009	hfc3944	10065	hfc4032
9842	hfc3731	9898	hfc3799	9954	hfc3881	10010	hfc3946	10066	hfc4034
9843	hfc3733	9899	hfc3800	9955	hfc3882	10011	hfc3947	10067	hfc4035
9844	hfc3734	9900	hfc3801	9956	hfc3883	10012	hfc3948	10068	hfc4037
9845	hfc3735	9901	hfc3802	9957	hfc3884	10013	hfc3951	10069	hfc4038
9846	hfc3736	9902	hfc3803	9958	hfc3885	10014	hfc3952	10070	hfc4044
9847	hfc3737	9903	hfc3805	9959	hfc3886	10015	hfc3954	10071	hfc4045
9848	hfc3738	9904	hfc3806	9960	hfc3887	10016	hfc3956	10072	hfc4046
9849	hfc3739	9905	hfc3808	9961	hfc3888	10017	hfc3958	10073	hfc4048
9850	hfc3740	9906	hfc3809	9962	hfc3889	10018	hfc3960	10074	hfc4049
9851	hfc3741	9907	hfc3810	9963	hfc3890	10019	hfc3961	10075	hfc4051
9852	hfc3742	9908	hfc3816	9964	hfc3892	10020	hfc3962	10076	hfc4053
9853	hfc3743	9909	hfc3818	9965	hfc3893	10021	hfc3963	10077	hfc4054
9854	hfc3744	9910	hfc3819	9966	hfc3894	10022	hfc3964	10078	hfc4055
9855	hfc3745	9911	hfc3820	9967	hfc3895	10023	hfc3967	10079	hfc4057
9856	hfc3746	9912	hfc3821	9968	hfc3896	10024	hfc3968	10080	hfc4058

Figure 6B - Continued

10081	hfc4059	10137	hfc4138	10193	hfc4212	10249	hfc4438	10305	hfc4541
10082	hfc4060	10138	hfc4139	10194	hfc4214	10250	hfc4439	10306	hfc4542
10083	hfc4061	10139	hfc4140	10195	hfc4215	10251	hfc4440	10307	hfc4545
10084	hfc4062	10140	hfc4141	10196	hfc4219	10252	hfc4441	10308	hfc4557
10085	hfc4063	10141	hfc4142	10197	hfc4220	10253	hfc4443	10309	hfc4565
10086	hfc4064	10142	hfc4143	10198	hfc4222	10254	hfc4444	10310	hfc4574
10087	hfc4066	10143	hfc4145	10199	hfc4223	10255	hfc4445	10311	hfc4596
10088	hfc4067	10144	hfc4146	10200	hfc4226	10256	hfc4446	10312	hfc4598
10089	hfc4068	10145	hfc4148	10201	hfc4230	10257	hfc4447	10313	hfc4600
10090	hfc4069	10146	hfc4150	10202	hfc4235	10258	hfc4449	10314	hfc4604
10091	hfc4072	10147	hfc4151	10203	hfc4241	10259	hfc4451	10315	hfc4609
10092	hfc4073	10148	hfc4152	10204	hfc4244	10260	hfc4452	10316	hfc4612
10093	hfc4074	10149	hfc4154	10205	hfc4247	10261	hfc4454	10317	hfc4613
10094	hfc4075	10150	hfc4156	10206	hfc4252	10262	hfc4457	10318	hfc4614
10095	hfc4076	10151	hfc4157	10207	hfc4256	10263	hfc4458	10319	hfc4615
10096	hfc4077	10152	hfc4158	10208	hfc4260	10264	hfc4460	10320	hfc4621
10097	hfc4078	10153	hfc4159	10209	hfc4266	10265	hfc4461	10321	hfc4639
10098	hfc4079	10154	hfc4160	10210	hfc4267	10266	hfc4462	10322	hfc4640
10099	hfc4080	10155	hfc4161	10211	hfc4270	10267	hfc4463	10323	hfc4645
10100	hfc4081	10156	hfc4162	10212	hfc4273	10268	hfc4464	10324	hfc4651
10101	hfc4082	10157	hfc4163	10213	hfc4274	10269	hfc4466	10325	hfc4652
10102	hfc4083	10158	hfc4164	10214	hfc4275	10270	hfc4467	10326	hfc4653
10103	hfc4084	10159	hfc4165	10215	hfc4278	10271	hfc4468	10327	hfc4654
10104	hfc4085	10160	hfc4166	10216	hfc4279	10272	hfc4469	10328	hfc4659
10105	hfc4086	10161	hfc4167	10217	hfc4281	10273	hfc4470	10329	hfc4660
10106	hfc4087	10162	hfc4168	10218	hfc4283	10274	hfc4472	10330	hfc4661
10107	hfc4089	10163	hfc4169	10219	hfc4284	10275	hfc4475	10331	hfc4662
10108	hfc4094	10164	hfc4170	10220	hfc4289	10276	hfc4476	10332	hfc4663
10109	hfc4099	10165	hfc4171	10221	hfc4297	10277	hfc4477	10333	hfc4667
10110	hfc4100	10166	hfc4172	10222	hfc4309	10278	hfc4479	10334	hfc4670
10111	hfc4101	10167	hfc4173	10223	hfc4315	10279	hfc4480	10335	hfc4677
10112	hfc4103	10168	hfc4174	10224	hfc4316	10280	hfc4482	10336	hfc4680
10113	hfc4106	10169	hfc4175	10225	hfc4325	10281	hfc4483	10337	hfc4684
10114	hfc4111	10170	hfc4176	10226	hfc4326	10282	hfc4485	10338	hfc4685
10115	hfc4112	10171	hfc4177	10227	hfc4327	10283	hfc4487	10339	hfc4696
10116	hfc4114	10172	hfc4179	10228	hfc4333	10284	hfc4488	10340	hfc4707
10117	hfc4115	10173	hfc4180	10229	hfc4334	10285	hfc4489	10341	hfc4713
10118	hfc4116	10174	hfc4181	10230	hfc4335	10286	hfc4491	10342	hfc4716
10119	hfc4117	10175	hfc4186	10231	hfc4337	10287	hfc4492	10343	hfc4717
10120	hfc4118	10176	hfc4187	10232	hfc4341	10288	hfc4493	10344	hfc4730
10121	hfc4119	10177	hfc4188	10233	hfc4342	10289	hfc4494	10345	hfc4732
10122	hfc4120	10178	hfc4190	10234	hfc4345	10290	hfc4495	10346	hfc4741
10123	hfc4121	10179	hfc4191	10235	hfc4347	10291	hfc4497	10347	hfc4743
10124	hfc4122	10180	hfc4193	10236	hfc4348	10292	hfc4498	10348	hfc4748
10125	hfc4123	10181	hfc4194	10237	hfc4349	10293	hfc4499	10349	hfc4760
10126	hfc4124	10182	hfc4195	10238	hfc4350	10294	hfc4500	10350	hfc4761
10127	hfc4125	10183	hfc4196	10239	hfc4351	10295	hfc4502	10351	hfc4765
10128	hfc4126	10184	hfc4197	10240	hfc4417	10296	hfc4504	10352	hfc4766
10129	hfc4129	10185	hfc4202	10241	hfc4421	10297	hfc4506	10353	hfc4769
10130	hfc4130	10186	hfc4203	10242	hfc4422	10298	hfc4508	10354	hfc4775
10131	hfc4131	10187	hfc4204	10243	hfc4423	10299	hfc4509	10355	hfc4776
10132	hfc4132	10188	hfc4205	10244	hfc4424	10300	hfc4510	10356	hfc4782
10133	hfc4133	10189	hfc4206	10245	hfc4426	10301	hfc4515	10357	hfc4806
10134	hfc4134	10190	hfc4207	10246	hfc4429	10302	hfc4527	10358	hfc4807
10135	hfc4135	10191	hfc4208	10247	hfc4430	10303	hfc4529	10359	hfc4813
10136	hfc4136	10192	hfc4211	10248	hfc4437	10304	hfc4530	10360	hfc4816

Figure 6B - Continued

10361	hfc4817	10417	hfc5122	10473	hfc5205	10529	hfc5395	10585	hfc5506
10362	hfc4823	10418	hfc5123	10474	hfc5206	10530	hfc5396	10586	hfc5507
10363	hfc4832	10419	hfc5125	10475	hfc5207	10531	hfc5397	10587	hfc5511
10364	hfc4834	10420	hfc5126	10476	hfc5209	10532	hfc5398	10588	hfc5512
10365	hfc4846	10421	hfc5127	10477	hfc5211	10533	hfc5399	10589	hfc5513
10366	hfc4848	10422	hfc5128	10478	hfc5215	10534	hfc5400	10590	hfc5514
10367	hfc4897	10423	hfc5129	10479	hfc5220	10535	hfc5403	10591	hfc5515
10368	hfc4901	10424	hfc5131	10480	hfc5222	10536	hfc5404	10592	hfc5517
10369	hfc4995	10425	hfc5133	10481	hfc5225	10537	hfc5408	10593	hfc5521
10370	hfc5002	10426	hfc5134	10482	hfc5228	10538	hfc5410	10594	hfc5522
10371	hfc5003	10427	hfc5135	10483	hfc5229	10539	hfc5412	10595	hfc5528
10372	hfc5009	10428	hfc5138	10484	hfc5232	10540	hfc5413	10596	hfc5531
10373	hfc5010	10429	hfc5139	10485	hfc5233	10541	hfc5418	10597	hfc5534
10374	hfc5011	10430	hfc5140	10486	hfc5234	10542	hfc5420	10598	hfc5537
10375	hfc5014	10431	hfc5141	10487	hfc5236	10543	hfc5421	10599	hfc5538
10376	hfc5017	10432	hfc5147	10488	hfc5237	10544	hfc5422	10600	hfc5555
10377	hfc5019	10433	hfc5148	10489	hfc5239	10545	hfc5423	10601	hfc5556
10378	hfc5023	10434	hfc5149	10490	hfc5240	10546	hfc5424	10602	hfc5559
10379	hfc5029	10435	hfc5150	10491	hfc5242	10547	hfc5425	10603	hfc5562
10380	hfc5030	10436	hfc5153	10492	hfc5243	10548	hfc5426	10604	hfc5563
10381	hfc5031	10437	hfc5154	10493	hfc5244	10549	hfc5427	10605	hfc5564
10382	hfc5034	10438	hfc5155	10494	hfc5246	10550	hfc5428	10606	hfc5565
10383	hfc5037	10439	hfc5157	10495	hfc5248	10551	hfc5429	10607	hfc5569
10384	hfc5038	10440	hfc5158	10496	hfc5249	10552	hfc5432	10608	hfc5570
10385	hfc5041	10441	hfc5162	10497	hfc5250	10553	hfc5433	10609	hfc5571
10386	hfc5045	10442	hfc5163	10498	hfc5251	10554	hfc5435	10610	hfc5577
10387	hfc5046	10443	hfc5164	10499	hfc5252	10555	hfc5438	10611	hfc5579
10388	hfc5053	10444	hfc5166	10500	hfc5253	10556	hfc5439	10612	hfc5580
10389	hfc5057	10445	hfc5167	10501	hfc5254	10557	hfc5440	10613	hfc5582
10390	hfc5065	10446	hfc5168	10502	hfc5256	10558	hfc5442	10614	hfc5583
10391	hfc5067	10447	hfc5169	10503	hfc5257	10559	hfc5445	10615	hfc5590
10392	hfc5070	10448	hfc5170	10504	hfc5258	10560	hfc5447	10616	hfc5591
10393	hfc5071	10449	hfc5171	10505	hfc5260	10561	hfc5449	10617	hfc5592
10394	hfc5075	10450	hfc5172	10506	hfc5262	10562	hfc5450	10618	hfc5593
10395	hfc5078	10451	hfc5173	10507	hfc5263	10563	hfc5452	10619	hfc5596
10396	hfc5079	10452	hfc5174	10508	hfc5264	10564	hfc5454	10620	hfc5601
10397	hfc5082	10453	hfc5175	10509	hfc5265	10565	hfc5458	10621	hfc5602
10398	hfc5083	10454	hfc5177	10510	hfc5266	10566	hfc5463	10622	hfc5603
10399	hfc5085	10455	hfc5181	10511	hfc5267	10567	hfc5467	10623	hfc5604
10400	hfc5086	10456	hfc5182	10512	hfc5268	10568	hfc5468	10624	hfc5606
10401	hfc5087	10457	hfc5183	10513	hfc5272	10569	hfc5469	10625	hfc5607
10402	hfc5091	10458	hfc5184	10514	hfc5273	10570	hfc5471	10626	hfc5608
10403	hfc5094	10459	hfc5187	10515	hfc5274	10571	hfc5472	10627	hfc5611
10404	hfc5095	10460	hfc5188	10516	hfc5275	10572	hfc5473	10628	hfc5612
10405	hfc5099	10461	hfc5189	10517	hfc5278	10573	hfc5474	10629	hfc5616
10406	hfc5106	10462	hfc5190	10518	hfc5279	10574	hfc5476	10630	hfc5618
10407	hfc5107	10463	hfc5192	10519	hfc5280	10575	hfc5481	10631	hfc5619
10408	hfc5108	10464	hfc5193	10520	hfc5281	10576	hfc5482	10632	hfc5620
10409	hfc5109	10465	hfc5194	10521	hfc5380	10577	hfc5483	10633	hfc5626
10410	hfc5111	10466	hfc5197	10522	hfc5381	10578	hfc5484	10634	hfc5628
10411	hfc5113	10467	hfc5198	10523	hfc5382	10579	hfc5489	10635	hfc5629
10412	hfc5114	10468	hfc5199	10524	hfc5383	10580	hfc5497	10636	hfc5634
10413	hfc5117	10469	hfc5200	10525	hfc5386	10581	hfc5498	10637	hfc5636
10414	hfc5119	10470	hfc5201	10526	hfc5388	10582	hfc5499	10638	hfc5640
10415	hfc5120	10471	hfc5202	10527	hfc5390	10583	hfc5504	10639	hfc5642
10416	hfc5121	10472	hfc5203	10528	hfc5391	10584	hfc5505	10640	hfc5643



Figure 6B – Continued

10641	hfc5649	10697	hfc5759	10753	hfc5840	10809	hfc5939	10865	hfc6012
10642	hfc5654	10698	hfc5764	10754	hfc5842	10810	hfc5940	10866	hfc6013
10643	hfc5655	10699	hfc5765	10755	hfc5843	10811	hfc5941	10867	hfc6016
10644	hfc5657	10700	hfc5767	10756	hfc5845	10812	hfc5942	10868	hfc6017
10645	hfc5658	10701	hfc5768	10757	hfc5847	10813	hfc5943	10869	hfc6018
10646	hfc5659	10702	hfc5769	10758	hfc5848	10814	hfc5948	10870	hfc6019
10647	hfc5660	10703	hfc5771	10759	hfc5849	10815	hfc5949	10871	hfc6020
10648	hfc5661	10704	hfc5772	10760	hfc5850	10816	hfc5950	10872	hfc6021
10649	hfc5662	10705	hfc5774	10761	hfc5851	10817	hfc5951	10873	hfc6022
10650	hfc5663	10706	hfc5775	10762	hfc5852	10818	hfc5954	10874	hfc6024
10651	hfc5668	10707	hfc5776	10763	hfc5853	10819	hfc5956	10875	hfc6026
10652	hfc5669	10708	hfc5779	10764	hfc5854	10820	hfc5958	10876	hfc6027
10653	hfc5670	10709	hfc5780	10765	hfc5856	10821	hfc5959	10877	hfc6028
10654	hfc5671	10710	hfc5781	10766	hfc5858	10822	hfc5961	10878	hfc6029
10655	hfc5676	10711	hfc5782	10767	hfc5860	10823	hfc5962	10879	hfc6031
10656	hfc5678	10712	hfc5785	10768	hfc5861	10824	hfc5963	10880	hfc6033
10657	hfc5679	10713	hfc5786	10769	hfc5862	10825	hfc5964	10881	hfc6035
10658	hfc5683	10714	hfc5787	10770	hfc5863	10826	hfc5965	10882	hfc6037
10659	hfc5684	10715	hfc5789	10771	hfc5864	10827	hfc5966	10883	hfc6038
10660	hfc5686	10716	hfc5790	10772	hfc5865	10828	hfc5967	10884	hfc6039
10661	hfc5689	10717	hfc5791	10773	hfc5868	10829	hfc5969	10885	hfc6040
10662	hfc5690	10718	hfc5792	10774	hfc5870	10830	hfc5970	10886	hfc6041
10663	hfc5691	10719	hfc5794	10775	hfc5871	10831	hfc5971	10887	hfc6042
10664	hfc5695	10720	hfc5795	10776	hfc5872	10832	hfc5972	10888	hfc6043
10665	hfc5702	10721	hfc5796	10777	hfc5873	10833	hfc5973	10889	hfc6044
10666	hfc5704	10722	hfc5797	10778	hfc5874	10834	hfc5974	10890	hfc6045
10667	hfc5706	10723	hfc5798	10779	hfc5875	10835	hfc5975	10891	hfc6047
10668	hfc5708	10724	hfc5799	10780	hfc5876	10836	hfc5976	10892	hfc6050
10669	hfc5709	10725	hfc5800	10781	hfc5878	10837	hfc5977	10893	hfc6052
10670	hfc5715	10726	hfc5801	10782	hfc5881	10838	hfc5979	10894	hfc6054
10671	hfc5716	10727	hfc5802	10783	hfc5882	10839	hfc5980	10895	hfc6056
10672	hfc5717	10728	hfc5803	10784	hfc5883	10840	hfc5981	10896	hfc6057
10673	hfc5718	10729	hfc5804	10785	hfc5884	10841	hfc5983	10897	hfc6058
10674	hfc5719	10730	hfc5805	10786	hfc5889	10842	hfc5984	10898	hfc6059
10675	hfc5720	10731	hfc5807	10787	hfc5890	10843	hfc5985	10899	hfc6060
10676	hfc5722	10732	hfc5809	10788	hfc5891	10844	hfc5986	10900	hfc6061
10677	hfc5723	10733	hfc5810	10789	hfc5893	10845	hfc5987	10901	hfc6063
10678	hfc5724	10734	hfc5811	10790	hfc5894	10846	hfc5988	10902	hfc6064
10679	hfc5725	10735	hfc5813	10791	hfc5895	10847	hfc5989	10903	hfc6065
10680	hfc5726	10736	hfc5814	10792	hfc5896	10848	hfc5991	10904	hfc6066
10681	hfc5729	10737	hfc5815	10793	hfc5897	10849	hfc5992	10905	hfc6067
10682	hfc5732	10738	hfc5817	10794	hfc5898	10850	hfc5993	10906	hfc6068
10683	hfc5733	10739	hfc5818	10795	hfc5899	10851	hfc5994	10907	hfc6069
10684	hfc5735	10740	hfc5820	10796	hfc5900	10852	hfc5995	10908	hfc6070
10685	hfc5737	10741	hfc5821	10797	hfc5901	10853	hfc5996	10909	hfc6072
10686	hfc5740	10742	hfc5823	10798	hfc5902	10854	hfc5997	10910	hfc6073
10687	hfc5741	10743	hfc5825	10799	hfc5903	10855	hfc5998	10911	hfc6080
10688	hfc5742	10744	hfc5827	10800	hfc5905	10856	hfc5999	10912	hfc6082
10689	hfc5743	10745	hfc5829	10801	hfc5911	10857	hfc6001	10913	hfc6083
10690	hfc5744	10746	hfc5831	10802	hfc5912	10858	hfc6003	10914	hfc6084
10691	hfc5745	10747	hfc5832	10803	hfc5913	10859	hfc6004	10915	hfc6085
10692	hfc5746	10748	hfc5834	10804	hfc5919	10860	hfc6005	10916	hfc6086
10693	hfc5747	10749	hfc5835	10805	hfc5920	10861	hfc6006	10917	hfc6087
10694	hfc5748	10750	hfc5836	10806	hfc5935	10862	hfc6007	10918	hfc6089
10695	hfc5756	10751	hfc5837	10807	hfc5937	10863	hfc6010	10919	hfc6090
10696	hfc5757	10752	hfc5839	10808	hfc5938	10864	hfc6011	10920	hfc6091

Figure 6B – Continued

10921	hfc6092	10977	hfc6195	11033	hfc6291	11089	hfc6367	11145	hfc6457
10922	hfc6093	10978	hfc6196	11034	hfc6292	11090	hfc6368	11146	hfc6458
10923	hfc6094	10979	hfc6198	11035	hfc6293	11091	hfc6369	11147	hfc6459
10924	hfc6095	10980	hfc6199	11036	hfc6296	11092	hfc6370	11148	hfc6460
10925	hfc6096	10981	hfc6200	11037	hfc6297	11093	hfc6371	11149	hfc6461
10926	hfc6098	10982	hfc6201	11038	hfc6298	11094	hfc6372	11150	hfc6463
10927	hfc6099	10983	hfc6202	11039	hfc6300	11095	hfc6373	11151	hfc6464
10928	hfc6100	10984	hfc6203	11040	hfc6301	11096	hfc6374	11152	hfc6465
10929	hfc6101	10985	hfc6204	11041	hfc6302	11097	hfc6375	11153	hfc6466
10930	hfc6102	10986	hfc6205	11042	hfc6304	11098	hfc6376	11154	hfc6467
10931	hfc6103	10987	hfc6206	11043	hfc6305	11099	hfc6380	11155	hfc6468
10932	hfc6104	10988	hfc6209	11044	hfc6306	11100	hfc6381	11156	hfc6470
10933	hfc6105	10989	hfc6210	11045	hfc6307	11101	hfc6382	11157	hfc6471
10934	hfc6106	10990	hfc6211	11046	hfc6308	11102	hfc6383	11158	hfc6472
10935	hfc6108	10991	hfc6212	11047	hfc6310	11103	hfc6384	11159	hfc6473
10936	hfc6110	10992	hfc6213	11048	hfc6311	11104	hfc6388	11160	hfc6474
10937	hfc6111	10993	hfc6214	11049	hfc6312	11105	hfc6389	11161	hfc6475
10938	hfc6112	10994	hfc6222	11050	hfc6313	11106	hfc6391	11162	hfc6476
10939	hfc6113	10995	hfc6223	11051	hfc6315	11107	hfc6392	11163	hfc6479
10940	hfc6114	10996	hfc6227	11052	hfc6316	11108	hfc6393	11164	hfc6480
10941	hfc6116	10997	hfc6233	11053	hfc6317	11109	hfc6394	11165	hfc6482
10942	hfc6117	10998	hfc6235	11054	hfc6318	11110	hfc6395	11166	hfc6484
10943	hfc6118	10999	hfc6242	11055	hfc6319	11111	hfc6396	11167	hfc6485
10944	hfc6119	11000	hfc6243	11056	hfc6320	11112	hfc6397	11168	hfc6486
10945	hfc6120	11001	hfc6244	11057	hfc6322	11113	hfc6400	11169	hfc6487
10946	hfc6121	11002	hfc6245	11058	hfc6323	11114	hfc6401	11170	hfc6488
10947	hfc6122	11003	hfc6247	11059	hfc6324	11115	hfc6403	11171	hfc6489
10948	hfc6123	11004	hfc6248	11060	hfc6325	11116	hfc6404	11172	hfc6490
10949	hfc6125	11005	hfc6249	11061	hfc6326	11117	hfc6405	11173	hfc6491
10950	hfc6127	11006	hfc6251	11062	hfc6327	11118	hfc6406	11174	hfc6494
10951	hfc6129	11007	hfc6252	11063	hfc6328	11119	hfc6407	11175	hfc6495
10952	hfc6130	11008	hfc6253	11064	hfc6330	11120	hfc6408	11176	hfc6496
10953	hfc6131	11009	hfc6255	11065	hfc6331	11121	hfc6410	11177	hfc6498
10954	hfc6132	11010	hfc6256	11066	hfc6333	11122	hfc6411	11178	hfc6500
10955	hfc6135	11011	hfc6265	11067	hfc6335	11123	hfc6412	11179	hfc6501
10956	hfc6136	11012	hfc6266	11068	hfc6336	11124	hfc6413	11180	hfc6502
10957	hfc6137	11013	hfc6267	11069	hfc6338	11125	hfc6414	11181	hfc6503
10958	hfc6138	11014	hfc6268	11070	hfc6340	11126	hfc6423	11182	hfc6504
10959	hfc6139	11015	hfc6270	11071	hfc6341	11127	hfc6433	11183	hfc6507
10960	hfc6141	11016	hfc6271	11072	hfc6342	11128	hfc6434	11184	hfc6508
10961	hfc6142	11017	hfc6272	11073	hfc6343	11129	hfc6436	11185	hfc6509
10962	hfc6143	11018	hfc6273	11074	hfc6347	11130	hfc6437	11186	hfc6510
10963	hfc6144	11019	hfc6274	11075	hfc6348	11131	hfc6438	11187	hfc6511
10964	hfc6152	11020	hfc6275	11076	hfc6350	11132	hfc6439	11188	hfc6514
10965	hfc6154	11021	hfc6276	11077	hfc6351	11133	hfc6440	11189	hfc6515
10966	hfc6164	11022	hfc6279	11078	hfc6352	11134	hfc6442	11190	hfc6516
10967	hfc6165	11023	hfc6280	11079	hfc6354	11135	hfc6443	11191	hfc6517
10968	hfc6167	11024	hfc6281	11080	hfc6355	11136	hfc6444	11192	hfc6518
10969	hfc6168	11025	hfc6282	11081	hfc6356	11137	hfc6445	11193	hfc6519
10970	hfc6176	11026	hfc6283	11082	hfc6357	11138	hfc6446	11194	hfc6520
10971	hfc6178	11027	hfc6285	11083	hfc6358	11139	hfc6447	11195	hfc6522
10972	hfc6183	11028	hfc6286	11084	hfc6361	11140	hfc6448	11196	hfc6524
10973	hfc6185	11029	hfc6287	11085	hfc6362	11141	hfc6451	11197	hfc6526
10974	hfc6189	11030	hfc6288	11086	hfc6363	11142	hfc6452	11198	hfc6530
10975	hfc6192	11031	hfc6289	11087	hfc6364	11143	hfc6454	11199	hfc6531
10976	hfc6193	11032	hfc6290	11088	hfc6366	11144	hfc6456	11200	hfc6532

Figure 6B – Continued

11201	hfc6533	11257	hfc6608	11313	hfc6676	11369	hfc6741	11425	hfc6814
11202	hfc6534	11258	hfc6609	11314	hfc6677	11370	hfc6745	11426	hfc6815
11203	hfc6536	11259	hfc6610	11315	hfc6678	11371	hfc6746	11427	hfc6817
11204	hfc6537	11260	hfc6611	11316	hfc6679	11372	hfc6747	11428	hfc6818
11205	hfc6539	11261	hfc6613	11317	hfc6680	11373	hfc6748	11429	hfc6819
11206	hfc6540	11262	hfc6614	11318	hfc6681	11374	hfc6749	11430	hfc6820
11207	hfc6541	11263	hfc6616	11319	hfc6682	11375	hfc6752	11431	hfc6821
11208	hfc6542	11264	hfc6619	11320	hfc6683	11376	hfc6753	11432	hfc6823
11209	hfc6543	11265	hfc6620	11321	hfc6684	11377	hfc6756	11433	hfc6824
11210	hfc6546	11266	hfc6621	11322	hfc6685	11378	hfc6757	11434	hfc6825
11211	hfc6548	11267	hfc6622	11323	hfc6686	11379	hfc6759	11435	hfc6828
11212	hfc6550	11268	hfc6623	11324	hfc6687	11380	hfc6760	11436	hfc6829
11213	hfc6552	11269	hfc6624	11325	hfc6688	11381	hfc6761	11437	hfc6830
11214	hfc6553	11270	hfc6626	11326	hfc6689	11382	hfc6762	11438	hfc6831
11215	hfc6554	11271	hfc6627	11327	hfc6690	11383	hfc6763	11439	hfc6833
11216	hfc6555	11272	hfc6628	11328	hfc6691	11384	hfc6765	11440	hfc6835
11217	hfc6557	11273	hfc6630	11329	hfc6692	11385	hfc6766	11441	hfc6837
11218	hfc6558	11274	hfc6631	11330	hfc6693	11386	hfc6767	11442	hfc6840
11219	hfc6559	11275	hfc6632	11331	hfc6694	11387	hfc6768	11443	hfc6841
11220	hfc6560	11276	hfc6634	11332	hfc6695	11388	hfc6769	11444	hfc6842
11221	hfc6561	11277	hfc6635	11333	hfc6696	11389	hfc6770	11445	hfc6843
11222	hfc6562	11278	hfc6636	11334	hfc6697	11390	hfc6771	11446	hfc6844
11223	hfc6563	11279	hfc6637	11335	hfc6698	11391	hfc6772	11447	hfc6846
11224	hfc6566	11280	hfc6638	11336	hfc6699	11392	hfc6773	11448	hfc6847
11225	hfc6567	11281	hfc6639	11337	hfc6700	11393	hfc6774	11449	hfc6848
11226	hfc6568	11282	hfc6640	11338	hfc6701	11394	hfc6775	11450	hfc6849
11227	hfc6569	11283	hfc6641	11339	hfc6702	11395	hfc6778	11451	hfc6850
11228	hfc6570	11284	hfc6642	11340	hfc6703	11396	hfc6779	11452	hfc6851
11229	hfc6571	11285	hfc6643	11341	hfc6704	11397	hfc6780	11453	hfc6853
11230	hfc6572	11286	hfc6645	11342	hfc6705	11398	hfc6781	11454	hfc6855
11231	hfc6573	11287	hfc6646	11343	hfc6706	11399	hfc6782	11455	hfc6856
11232	hfc6574	11288	hfc6647	11344	hfc6707	11400	hfc6783	11456	hfc6857
11233	hfc6576	11289	hfc6648	11345	hfc6708	11401	hfc6784	11457	hfc6858
11234	hfc6577	11290	hfc6649	11346	hfc6710	11402	hfc6785	11458	hfc6860
11235	hfc6578	11291	hfc6650	11347	hfc6712	11403	hfc6786	11459	hfc6861
11236	hfc6579	11292	hfc6651	11348	hfc6713	11404	hfc6787	11460	hfc6862
11237	hfc6580	11293	hfc6652	11349	hfc6715	11405	hfc6788	11461	hfc6863
11238	hfc6581	11294	hfc6653	11350	hfc6716	11406	hfc6789	11462	hfc6864
11239	hfc6582	11295	hfc6655	11351	hfc6719	11407	hfc6790	11463	hfc6865
11240	hfc6585	11296	hfc6656	11352	hfc6720	11408	hfc6791	11464	hfc6866
11241	hfc6586	11297	hfc6657	11353	hfc6721	11409	hfc6792	11465	hfc6867
11242	hfc6587	11298	hfc6658	11354	hfc6722	11410	hfc6793	11466	hfc6869
11243	hfc6588	11299	hfc6659	11355	hfc6723	11411	hfc6795	11467	hfc6870
11244	hfc6590	11300	hfc6660	11356	hfc6724	11412	hfc6796	11468	hfc6871
11245	hfc6591	11301	hfc6662	11357	hfc6725	11413	hfc6797	11469	hfc6872
11246	hfc6592	11302	hfc6663	11358	hfc6726	11414	hfc6798	11470	hfc6873
11247	hfc6593	11303	hfc6664	11359	hfc6727	11415	hfc6802	11471	hfc6874
11248	hfc6594	11304	hfc6665	11360	hfc6728	11416	hfc6803	11472	hfc6876
11249	hfc6595	11305	hfc6666	11361	hfc6729	11417	hfc6804	11473	hfc6877
11250	hfc6597	11306	hfc6667	11362	hfc6730	11418	hfc6805	11474	hfc6878
11251	hfc6598	11307	hfc6668	11363	hfc6732	11419	hfc6806	11475	hfc6879
11252	hfc6600	11308	hfc6670	11364	hfc6733	11420	hfc6807	11476	hfc6880
11253	hfc6602	11309	hfc6671	11365	hfc6734	11421	hfc6808	11477	hfc6881
11254	hfc6603	11310	hfc6673	11366	hfc6736	11422	hfc6810	11478	hfc6882
11255	hfc6604	11311	hfc6674	11367	hfc6737	11423	hfc6812	11479	hfc6883
11256	hfc6606	11312	hfc6675	11368	hfc6740	11424	hfc6813	11480	hfc6884

Figure 6B - Continued

11481	hfc6886	11537	hfc6956	11593	hfc7042	11649	hfc7136	11705	hfc7304
11482	hfc6887	11538	hfc6958	11594	hfc7043	11650	hfc7137	11706	hfc7306
11483	hfc6888	11539	hfc6960	11595	hfc7045	11651	hfc7139	11707	hfc7307
11484	hfc6889	11540	hfc6961	11596	hfc7046	11652	hfc7140	11708	hfc7308
11485	hfc6891	11541	hfc6965	11597	hfc7047	11653	hfc7142	11709	hfc7312
11486	hfc6892	11542	hfc6966	11598	hfc7048	11654	hfc7144	11710	hfc7317
11487	hfc6893	11543	hfc6968	11599	hfc7050	11655	hfc7146	11711	hfc7318
11488	hfc6894	11544	hfc6969	11600	hfc7051	11656	hfc7151	11712	hfc7319
11489	hfc6895	11545	hfc6970	11601	hfc7052	11657	hfc7152	11713	hfc7320
11490	hfc6896	11546	hfc6971	11602	hfc7054	11658	hfc7156	11714	hfc7321
11491	hfc6897	11547	hfc6972	11603	hfc7056	11659	hfc7158	11715	hfc7323
11492	hfc6898	11548	hfc6975	11604	hfc7057	11660	hfc7160	11716	hfc7324
11493	hfc6900	11549	hfc6976	11605	hfc7058	11661	hfc7162	11717	hfc7325
11494	hfc6901	11550	hfc6981	11606	hfc7059	11662	hfc7168	11718	hfc7336
11495	hfc6902	11551	hfc6982	11607	hfc7060	11663	hfc7173	11719	hfc7340
11496	hfc6903	11552	hfc6985	11608	hfc7061	11664	hfc7176	11720	hfc7341
11497	hfc6904	11553	hfc6986	11609	hfc7062	11665	hfc7177	11721	hfc7342
11498	hfc6905	11554	hfc6988	11610	hfc7063	11666	hfc7183	11722	hfc7345
11499	hfc6906	11555	hfc6992	11611	hfc7065	11667	hfc7189	11723	hfc7346
11500	hfc6907	11556	hfc6993	11612	hfc7066	11668	hfc7190	11724	hfc7348
11501	hfc6911	11557	hfc6994	11613	hfc7068	11669	hfc7194	11725	hfc7350
11502	hfc6912	11558	hfc6996	11614	hfc7069	11670	hfc7199	11726	hfc7351
11503	hfc6913	11559	hfc6997	11615	hfc7070	11671	hfc7208	11727	hfc7352
11504	hfc6914	11560	hfc6998	11616	hfc7073	11672	hfc7215	11728	hfc7353
11505	hfc6915	11561	hfc6999	11617	hfc7074	11673	hfc7218	11729	hfc7355
11506	hfc6916	11562	hfc7001	11618	hfc7075	11674	hfc7221	11730	hfc7356
11507	hfc6917	11563	hfc7003	11619	hfc7076	11675	hfc7223	11731	hfc7357
11508	hfc6918	11564	hfc7004	11620	hfc7077	11676	hfc7224	11732	hfc7359
11509	hfc6919	11565	hfc7007	11621	hfc7078	11677	hfc7226	11733	hfc7360
11510	hfc6920	11566	hfc7008	11622	hfc7079	11678	hfc7227	11734	hfc7361
11511	hfc6921	11567	hfc7009	11623	hfc7081	11679	hfc7231	11735	hfc7362
11512	hfc6922	11568	hfc7010	11624	hfc7082	11680	hfc7232	11736	hfc7363
11513	hfc6923	11569	hfc7011	11625	hfc7084	11681	hfc7233	11737	hfc7364
11514	hfc6924	11570	hfc7012	11626	hfc7087	11682	hfc7234	11738	hfc7365
11515	hfc6925	11571	hfc7013	11627	hfc7088	11683	hfc7239	11739	hfc7366
11516	hfc6926	11572	hfc7014	11628	hfc7090	11684	hfc7244	11740	hfc7369
11517	hfc6927	11573	hfc7015	11629	hfc7091	11685	hfc7245	11741	hfc7370
11518	hfc6929	11574	hfc7016	11630	hfc7092	11686	hfc7250	11742	hfc7372
11519	hfc6930	11575	hfc7017	11631	hfc7093	11687	hfc7264	11743	hfc7373
11520	hfc6931	11576	hfc7018	11632	hfc7095	11688	hfc7266	11744	hfc7374
11521	hfc6932	11577	hfc7019	11633	hfc7096	11689	hfc7270	11745	hfc7375
11522	hfc6934	11578	hfc7020	11634	hfc7097	11690	hfc7271	11746	hfc7376
11523	hfc6935	11579	hfc7022	11635	hfc7098	11691	hfc7272	11747	hfc7378
11524	hfc6936	11580	hfc7025	11636	hfc7099	11692	hfc7274	11748	hfc7380
11525	hfc6937	11581	hfc7026	11637	hfc7100	11693	hfc7277	11749	hfc7381
11526	hfc6938	11582	hfc7027	11638	hfc7101	11694	hfc7278	11750	hfc7382
11527	hfc6941	11583	hfc7031	11639	hfc7102	11695	hfc7279	11751	hfc7387
11528	hfc6942	11584	hfc7032	11640	hfc7103	11696	hfc7280	11752	hfc7388
11529	hfc6943	11585	hfc7033	11641	hfc7105	11697	hfc7281	11753	hfc7390
11530	hfc6945	11586	hfc7034	11642	hfc7111	11698	hfc7283	11754	hfc7392
11531	hfc6947	11587	hfc7035	11643	hfc7113	11699	hfc7287	11755	hfc7393
11532	hfc6950	11588	hfc7036	11644	hfc7115	11700	hfc7288	11756	hfc7394
11533	hfc6951	11589	hfc7038	11645	hfc7120	11701	hfc7290	11757	hfc7395
11534	hfc6952	11590	hfc7039	11646	hfc7123	11702	hfc7294	11758	hfc7396
11535	hfc6954	11591	hfc7040	11647	hfc7132	11703	hfc7295	11759	hfc7397
11536	hfc6955	11592	hfc7041	11648	hfc7133	11704	hfc7300	11760	hfc7398

Figure 6B – Continued

11761	hfc7399	11817	hfc7481	11873	hfc7551	11929	hfc7623	11985	hfc7698
11762	hfc7400	11818	hfc7482	11874	hfc7553	11930	hfc7624	11986	hfc7699
11763	hfc7401	11819	hfc7484	11875	hfc7554	11931	hfc7625	11987	hfc7701
11764	hfc7402	11820	hfc7485	11876	hfc7555	11932	hfc7626	11988	hfc7702
11765	hfc7404	11821	hfc7487	11877	hfc7557	11933	hfc7627	11989	hfc7704
11766	hfc7406	11822	hfc7489	11878	hfc7558	11934	hfc7628	11990	hfc7706
11767	hfc7407	11823	hfc7490	11879	hfc7559	11935	hfc7629	11991	hfc7707
11768	hfc7408	11824	hfc7491	11880	hfc7560	11936	hfc7631	11992	hfc7708
11769	hfc7409	11825	hfc7492	11881	hfc7561	11937	hfc7632	11993	hfc7709
11770	hfc7410	11826	hfc7493	11882	hfc7562	11938	hfc7635	11994	hfc7710
11771	hfc7411	11827	hfc7494	11883	hfc7563	11939	hfc7636	11995	hfc7711
11772	hfc7412	11828	hfc7495	11884	hfc7564	11940	hfc7637	11996	hfc7712
11773	hfc7414	11829	hfc7496	11885	hfc7565	11941	hfc7639	11997	hfc7713
11774	hfc7415	11830	hfc7498	11886	hfc7569	11942	hfc7641	11998	hfc7715
11775	hfc7416	11831	hfc7499	11887	hfc7570	11943	hfc7642	11999	hfc7716
11776	hfc7417	11832	hfc7500	11888	hfc7571	11944	hfc7643	12000	hfc7717
11777	hfc7418	11833	hfc7501	11889	hfc7574	11945	hfc7644	12001	hfc7721
11778	hfc7419	11834	hfc7503	11890	hfc7575	11946	hfc7645	12002	hfc7722
11779	hfc7421	11835	hfc7504	11891	hfc7576	11947	hfc7647	12003	hfc7725
11780	hfc7422	11836	hfc7505	11892	hfc7577	11948	hfc7648	12004	hfc7726
11781	hfc7423	11837	hfc7506	11893	hfc7578	11949	hfc7649	12005	hfc7731
11782	hfc7424	11838	hfc7507	11894	hfc7580	11950	hfc7650	12006	hfc7733
11783	hfc7425	11839	hfc7508	11895	hfc7581	11951	hfc7651	12007	hfc7735
11784	hfc7426	11840	hfc7509	11896	hfc7582	11952	hfc7652	12008	hfc7737
11785	hfc7427	11841	hfc7510	11897	hfc7583	11953	hfc7654	12009	hfc7738
11786	hfc7428	11842	hfc7511	11898	hfc7584	11954	hfc7655	12010	hfc7739
11787	hfc7430	11843	hfc7512	11899	hfc7585	11955	hfc7656	12011	hfc7746
11788	hfc7432	11844	hfc7513	11900	hfc7586	11956	hfc7657	12012	hfc7747
11789	hfc7434	11845	hfc7514	11901	hfc7587	11957	hfc7658	12013	hfc7749
11790	hfc7436	11846	hfc7515	11902	hfc7588	11958	hfc7659	12014	hfc7753
11791	hfc7437	11847	hfc7518	11903	hfc7590	11959	hfc7660	12015	hfc7755
11792	hfc7438	11848	hfc7519	11904	hfc7591	11960	hfc7663	12016	hfc7756
11793	hfc7439	11849	hfc7520	11905	hfc7592	11961	hfc7665	12017	hfc7761
11794	hfc7440	11850	hfc7521	11906	hfc7594	11962	hfc7666	12018	hfc7762
11795	hfc7444	11851	hfc7522	11907	hfc7595	11963	hfc7667	12019	hfc7763
11796	hfc7445	11852	hfc7525	11908	hfc7596	11964	hfc7668	12020	hfc7766
11797	hfc7446	11853	hfc7527	11909	hfc7597	11965	hfc7669	12021	hfc7769
11798	hfc7448	11854	hfc7529	11910	hfc7601	11966	hfc7670	12022	hfc7770
11799	hfc7449	11855	hfc7530	11911	hfc7602	11967	hfc7671	12023	hfc7771
11800	hfc7450	11856	hfc7531	11912	hfc7603	11968	hfc7672	12024	hfc7772
11801	hfc7452	11857	hfc7532	11913	hfc7605	11969	hfc7673	12025	hfc7773
11802	hfc7453	11858	hfc7533	11914	hfc7606	11970	hfc7674	12026	hfc7775
11803	hfc7454	11859	hfc7534	11915	hfc7607	11971	hfc7675	12027	hfc7778
11804	hfc7455	11860	hfc7537	11916	hfc7608	11972	hfc7676	12028	hfc7779
11805	hfc7459	11861	hfc7538	11917	hfc7609	11973	hfc7677	12029	hfc7780
11806	hfc7461	11862	hfc7539	11918	hfc7610	11974	hfc7679	12030	hfc7782
11807	hfc7462	11863	hfc7541	11919	hfc7611	11975	hfc7680	12031	hfc7783
11808	hfc7464	11864	hfc7542	11920	hfc7612	11976	hfc7683	12032	hfc7784
11809	hfc7465	11865	hfc7543	11921	hfc7614	11977	hfc7686	12033	hfc7785
11810	hfc7467	11866	hfc7544	11922	hfc7616	11978	hfc7687	12034	hfc7786
11811	hfc7469	11867	hfc7545	11923	hfc7617	11979	hfc7688	12035	hfc7787
11812	hfc7472	11868	hfc7546	11924	hfc7618	11980	hfc7690	12036	hfc7788
11813	hfc7473	11869	hfc7547	11925	hfc7619	11981	hfc7691	12037	hfc7789
11814	hfc7474	11870	hfc7548	11926	hfc7620	11982	hfc7692	12038	hfc7790
11815	hfc7477	11871	hfc7549	11927	hfc7621	11983	hfc7693	12039	hfc7791
11816	hfc7480	11872	hfc7550	11928	hfc7622	11984	hfc7695	12040	hfc7792

Figure 6B - Continued

12041	hfc7793	12097	hfc7864	12153	hfc7988	12209	hfc8210	12265	hfc8389
12042	hfc7794	12098	hfc7865	12154	hfc7989	12210	hfc8212	12266	hfc8390
12043	hfc7795	12099	hfc7866	12155	hfc7990	12211	hfc8219	12267	hfc8391
12044	hfc7796	12100	hfc7867	12156	hfc7993	12212	hfc8222	12268	hfc8393
12045	hfc7797	12101	hfc7868	12157	hfc7997	12213	hfc8226	12269	hfc8394
12046	hfc7799	12102	hfc7869	12158	hfc7998	12214	hfc8227	12270	hfc8395
12047	hfc7800	12103	hfc7870	12159	hfc7999	12215	hfc8228	12271	hfc8397
12048	hfc7802	12104	hfc7871	12160	hfc8001	12216	hfc8231	12272	hfc8398
12049	hfc7803	12105	hfc7872	12161	hfc8002	12217	hfc8234	12273	hfc8399
12050	hfc7804	12106	hfc7874	12162	hfc8003	12218	hfc8235	12274	hfc8401
12051	hfc7805	12107	hfc7882	12163	hfc8004	12219	hfc8237	12275	hfc8402
12052	hfc7806	12108	hfc7886	12164	hfc8005	12220	hfc8238	12276	hfc8403
12053	hfc7807	12109	hfc7893	12165	hfc8006	12221	hfc8249	12277	hfc8404
12054	hfc7808	12110	hfc7895	12166	hfc8007	12222	hfc8252	12278	hfc8405
12055	hfc7809	12111	hfc7932	12167	hfc8010	12223	hfc8254	12279	hfc8406
12056	hfc7812	12112	hfc7933	12168	hfc8011	12224	hfc8259	12280	hfc8407
12057	hfc7815	12113	hfc7936	12169	hfc8012	12225	hfc8261	12281	hfc8409
12058	hfc7817	12114	hfc7937	12170	hfc8015	12226	hfc8268	12282	hfc8410
12059	hfc7819	12115	hfc7938	12171	hfc8016	12227	hfc8273	12283	hfc8411
12060	hfc7820	12116	hfc7940	12172	hfc8018	12228	hfc8275	12284	hfc8412
12061	hfc7821	12117	hfc7941	12173	hfc8019	12229	hfc8277	12285	hfc8413
12062	hfc7823	12118	hfc7942	12174	hfc8024	12230	hfc8278	12286	hfc8414
12063	hfc7824	12119	hfc7943	12175	hfc8025	12231	hfc8279	12287	hfc8415
12064	hfc7825	12120	hfc7945	12176	hfc8026	12232	hfc8280	12288	hfc8416
12065	hfc7827	12121	hfc7946	12177	hfc8028	12233	hfc8281	12289	hfc8417
12066	hfc7828	12122	hfc7948	12178	hfc8029	12234	hfc8283	12290	hfc8418
12067	hfc7829	12123	hfc7949	12179	hfc8030	12235	hfc8284	12291	hfc8419
12068	hfc7830	12124	hfc7950	12180	hfc8032	12236	hfc8285	12292	hfc8420
12069	hfc7831	12125	hfc7953	12181	hfc8033	12237	hfc8286	12293	hfc8421
12070	hfc7833	12126	hfc7954	12182	hfc8035	12238	hfc8354	12294	hfc8422
12071	hfc7834	12127	hfc7955	12183	hfc8036	12239	hfc8355	12295	hfc8423
12072	hfc7835	12128	hfc7956	12184	hfc8038	12240	hfc8356	12296	hfc8424
12073	hfc7836	12129	hfc7957	12185	hfc8039	12241	hfc8358	12297	hfc8427
12074	hfc7838	12130	hfc7958	12186	hfc8040	12242	hfc8359	12298	hfc8428
12075	hfc7839	12131	hfc7959	12187	hfc8044	12243	hfc8360	12299	hfc8429
12076	hfc7840	12132	hfc7961	12188	hfc8045	12244	hfc8361	12300	hfc8430
12077	hfc7841	12133	hfc7962	12189	hfc8046	12245	hfc8362	12301	hfc8431
12078	hfc7842	12134	hfc7963	12190	hfc8048	12246	hfc8364	12302	hfc8432
12079	hfc7843	12135	hfc7964	12191	hfc8051	12247	hfc8365	12303	hfc8433
12080	hfc7844	12136	hfc7965	12192	hfc8052	12248	hfc8368	12304	hfc8434
12081	hfc7845	12137	hfc7966	12193	hfc8053	12249	hfc8369	12305	hfc8438
12082	hfc7846	12138	hfc7967	12194	hfc8054	12250	hfc8370	12306	hfc8439
12083	hfc7847	12139	hfc7968	12195	hfc8057	12251	hfc8371	12307	hfc8440
12084	hfc7848	12140	hfc7969	12196	hfc8058	12252	hfc8372	12308	hfc8441
12085	hfc7849	12141	hfc7971	12197	hfc8064	12253	hfc8373	12309	hfc8442
12086	hfc7850	12142	hfc7974	12198	hfc8161	12254	hfc8374	12310	hfc8444
12087	hfc7851	12143	hfc7977	12199	hfc8163	12255	hfc8377	12311	hfc8446
12088	hfc7852	12144	hfc7979	12200	hfc8166	12256	hfc8378	12312	hfc8448
12089	hfc7853	12145	hfc7980	12201	hfc8174	12257	hfc8379	12313	hfc8450
12090	hfc7854	12146	hfc7981	12202	hfc8180	12258	hfc8381	12314	hfc8451
12091	hfc7855	12147	hfc7982	12203	hfc8184	12259	hfc8382	12315	hfc8452
12092	hfc7856	12148	hfc7983	12204	hfc8189	12260	hfc8383	12316	hfc8454
12093	hfc7857	12149	hfc7984	12205	hfc8190	12261	hfc8384	12317	hfc8455
12094	hfc7858	12150	hfc7985	12206	hfc8199	12262	hfc8385	12318	hfc8456
12095	hfc7860	12151	hfc7986	12207	hfc8202	12263	hfc8386	12319	hfc8458
12096	hfc7863	12152	hfc7987	12208	hfc8206	12264	hfc8387	12320	hfc8459

Figure 6B – Continued

12321	hfc8460	12377	hfc8532	12433	hfc8639	12489	hfc8751	12545	hfc8859
12322	hfc8463	12378	hfc8533	12434	hfc8640	12490	hfc8752	12546	hfc8860
12323	hfc8464	12379	hfc8534	12435	hfc8641	12491	hfc8754	12547	hfc8861
12324	hfc8465	12380	hfc8536	12436	hfc8642	12492	hfc8755	12548	hfc8862
12325	hfc8466	12381	hfc8537	12437	hfc8643	12493	hfc8757	12549	hfc8864
12326	hfc8467	12382	hfc8538	12438	hfc8646	12494	hfc8758	12550	hfc8867
12327	hfc8468	12383	hfc8540	12439	hfc8647	12495	hfc8759	12551	hfc8872
12328	hfc8469	12384	hfc8541	12440	hfc8648	12496	hfc8760	12552	hfc8874
12329	hfc8472	12385	hfc8542	12441	hfc8649	12497	hfc8761	12553	hfc8875
12330	hfc8474	12386	hfc8546	12442	hfc8655	12498	hfc8762	12554	hfc8876
12331	hfc8475	12387	hfc8551	12443	hfc8656	12499	hfc8765	12555	hfc8877
12332	hfc8477	12388	hfc8554	12444	hfc8657	12500	hfc8766	12556	hfc8878
12333	hfc8478	12389	hfc8557	12445	hfc8658	12501	hfc8767	12557	hfc8879
12334	hfc8479	12390	hfc8559	12446	hfc8659	12502	hfc8770	12558	hfc8880
12335	hfc8481	12391	hfc8561	12447	hfc8662	12503	hfc8772	12559	hfc8881
12336	hfc8482	12392	hfc8562	12448	hfc8663	12504	hfc8774	12560	hfc8882
12337	hfc8483	12393	hfc8567	12449	hfc8664	12505	hfc8778	12561	hfc8883
12338	hfc8484	12394	hfc8568	12450	hfc8666	12506	hfc8780	12562	hfc8885
12339	hfc8485	12395	hfc8570	12451	hfc8667	12507	hfc8781	12563	hfc8887
12340	hfc8488	12396	hfc8571	12452	hfc8671	12508	hfc8782	12564	hfc8891
12341	hfc8489	12397	hfc8575	12453	hfc8672	12509	hfc8784	12565	hfc8892
12342	hfc8490	12398	hfc8576	12454	hfc8674	12510	hfc8786	12566	hfc8894
12343	hfc8492	12399	hfc8578	12455	hfc8677	12511	hfc8787	12567	hfc8897
12344	hfc8493	12400	hfc8582	12456	hfc8678	12512	hfc8789	12568	hfc8898
12345	hfc8495	12401	hfc8584	12457	hfc8679	12513	hfc8790	12569	hfc8900
12346	hfc8496	12402	hfc8585	12458	hfc8680	12514	hfc8791	12570	hfc8901
12347	hfc8497	12403	hfc8586	12459	hfc8691	12515	hfc8796	12571	hfc8902
12348	hfc8498	12404	hfc8587	12460	hfc8692	12516	hfc8800	12572	hfc8906
12349	hfc8499	12405	hfc8590	12461	hfc8695	12517	hfc8803	12573	hfc8907
12350	hfc8500	12406	hfc8591	12462	hfc8696	12518	hfc8804	12574	hfc8908
12351	hfc8501	12407	hfc8592	12463	hfc8699	12519	hfc8807	12575	hfc8910
12352	hfc8502	12408	hfc8595	12464	hfc8702	12520	hfc8811	12576	hfc8913
12353	hfc8503	12409	hfc8598	12465	hfc8704	12521	hfc8812	12577	hfc8914
12354	hfc8504	12410	hfc8599	12466	hfc8709	12522	hfc8813	12578	hfc8915
12355	hfc8505	12411	hfc8600	12467	hfc8712	12523	hfc8814	12579	hfc8917
12356	hfc8506	12412	hfc8602	12468	hfc8713	12524	hfc8816	12580	hfc8918
12357	hfc8507	12413	hfc8604	12469	hfc8715	12525	hfc8817	12581	hfc8919
12358	hfc8508	12414	hfc8605	12470	hfc8716	12526	hfc8818	12582	hfc8920
12359	hfc8509	12415	hfc8606	12471	hfc8719	12527	hfc8819	12583	hfc8921
12360	hfc8510	12416	hfc8607	12472	hfc8720	12528	hfc8821	12584	hfc8922
12361	hfc8512	12417	hfc8608	12473	hfc8723	12529	hfc8824	12585	hfc8923
12362	hfc8513	12418	hfc8609	12474	hfc8727	12530	hfc8826	12586	hfc8925
12363	hfc8515	12419	hfc8612	12475	hfc8728	12531	hfc8827	12587	hfc8926
12364	hfc8516	12420	hfc8615	12476	hfc8730	12532	hfc8828	12588	hfc8929
12365	hfc8518	12421	hfc8617	12477	hfc8735	12533	hfc8830	12589	hfc8930
12366	hfc8519	12422	hfc8619	12478	hfc8736	12534	hfc8832	12590	hfc8932
12367	hfc8520	12423	hfc8623	12479	hfc8737	12535	hfc8834	12591	hfc8933
12368	hfc8522	12424	hfc8624	12480	hfc8738	12536	hfc8835	12592	hfc8934
12369	hfc8523	12425	hfc8625	12481	hfc8739	12537	hfc8837	12593	hfc8935
12370	hfc8524	12426	hfc8627	12482	hfc8741	12538	hfc8838	12594	hfc8936
12371	hfc8525	12427	hfc8628	12483	hfc8742	12539	hfc8843	12595	hfc8937
12372	hfc8526	12428	hfc8629	12484	hfc8744	12540	hfc8854	12596	hfc8938
12373	hfc8528	12429	hfc8631	12485	hfc8745	12541	hfc8855	12597	hfc8939
12374	hfc8529	12430	hfc8632	12486	hfc8747	12542	hfc8856	12598	hfc8940
12375	hfc8530	12431	hfc8634	12487	hfc8749	12543	hfc8857	12599	hfc8941
12376	hfc8531	12432	hfc8636	12488	hfc8750	12544	hfc8858	12600	hfc8942

Figure 6B - Continued

12601	hfc8943	12657	hfc9018	12713	hfc9095	12769	hfc9174	12825	hfc9244
12602	hfc8944	12658	hfc9020	12714	hfc9096	12770	hfc9175	12826	hfc9245
12603	hfc8945	12659	hfc9022	12715	hfc9097	12771	hfc9176	12827	hfc9246
12604	hfc8946	12660	hfc9023	12716	hfc9098	12772	hfc9177	12828	hfc9247
12605	hfc8947	12661	hfc9025	12717	hfc9099	12773	hfc9178	12829	hfc9249
12606	hfc8951	12662	hfc9026	12718	hfc9100	12774	hfc9179	12830	hfc9250
12607	hfc8953	12663	hfc9027	12719	hfc9101	12775	hfc9180	12831	hfc9251
12608	hfc8954	12664	hfc9028	12720	hfc9105	12776	hfc9181	12832	hfc9252
12609	hfc8956	12665	hfc9029	12721	hfc9107	12777	hfc9182	12833	hfc9253
12610	hfc8957	12666	hfc9030	12722	hfc9110	12778	hfc9183	12834	hfc9254
12611	hfc8958	12667	hfc9031	12723	hfc9111	12779	hfc9184	12835	hfc9255
12612	hfc8959	12668	hfc9032	12724	hfc9112	12780	hfc9185	12836	hfc9256
12613	hfc8960	12669	hfc9033	12725	hfc9115	12781	hfc9186	12837	hfc9257
12614	hfc8961	12670	hfc9034	12726	hfc9116	12782	hfc9187	12838	hfc9258
12615	hfc8963	12671	hfc9035	12727	hfc9117	12783	hfc9188	12839	hfc9260
12616	hfc8964	12672	hfc9036	12728	hfc9121	12784	hfc9189	12840	hfc9261
12617	hfc8965	12673	hfc9038	12729	hfc9122	12785	hfc9190	12841	hfc9262
12618	hfc8967	12674	hfc9039	12730	hfc9123	12786	hfc9191	12842	hfc9263
12619	hfc8968	12675	hfc9040	12731	hfc9124	12787	hfc9192	12843	hfc9264
12620	hfc8969	12676	hfc9041	12732	hfc9125	12788	hfc9193	12844	hfc9265
12621	hfc8971	12677	hfc9042	12733	hfc9127	12789	hfc9194	12845	hfc9266
12622	hfc8972	12678	hfc9043	12734	hfc9128	12790	hfc9195	12846	hfc9267
12623	hfc8973	12679	hfc9044	12735	hfc9129	12791	hfc9196	12847	hfc9268
12624	hfc8974	12680	hfc9046	12736	hfc9130	12792	hfc9200	12848	hfc9270
12625	hfc8976	12681	hfc9047	12737	hfc9131	12793	hfc9201	12849	hfc9271
12626	hfc8977	12682	hfc9050	12738	hfc9133	12794	hfc9202	12850	hfc9272
12627	hfc8980	12683	hfc9051	12739	hfc9134	12795	hfc9203	12851	hfc9273
12628	hfc8981	12684	hfc9052	12740	hfc9136	12796	hfc9206	12852	hfc9276
12629	hfc8982	12685	hfc9053	12741	hfc9138	12797	hfc9207	12853	hfc9277
12630	hfc8983	12686	hfc9054	12742	hfc9139	12798	hfc9209	12854	hfc9278
12631	hfc8984	12687	hfc9057	12743	hfc9140	12799	hfc9210	12855	hfc9279
12632	hfc8986	12688	hfc9060	12744	hfc9141	12800	hfc9211	12856	hfc9280
12633	hfc8988	12689	hfc9061	12745	hfc9142	12801	hfc9212	12857	hfc9283
12634	hfc8989	12690	hfc9062	12746	hfc9143	12802	hfc9215	12858	hfc9284
12635	hfc8990	12691	hfc9063	12747	hfc9144	12803	hfc9216	12859	hfc9285
12636	hfc8992	12692	hfc9066	12748	hfc9145	12804	hfc9217	12860	hfc9286
12637	hfc8993	12693	hfc9068	12749	hfc9146	12805	hfc9218	12861	hfc9287
12638	hfc8995	12694	hfc9069	12750	hfc9148	12806	hfc9219	12862	hfc9288
12639	hfc8996	12695	hfc9071	12751	hfc9150	12807	hfc9221	12863	hfc9289
12640	hfc8997	12696	hfc9072	12752	hfc9153	12808	hfc9222	12864	hfc9290
12641	hfc8998	12697	hfc9073	12753	hfc9154	12809	hfc9224	12865	hfc9292
12642	hfc8999	12698	hfc9075	12754	hfc9156	12810	hfc9225	12866	hfc9293
12643	hfc9001	12699	hfc9076	12755	hfc9158	12811	hfc9226	12867	hfc9294
12644	hfc9002	12700	hfc9077	12756	hfc9159	12812	hfc9228	12868	hfc9295
12645	hfc9004	12701	hfc9079	12757	hfc9160	12813	hfc9229	12869	hfc9296
12646	hfc9005	12702	hfc9080	12758	hfc9161	12814	hfc9230	12870	hfc9297
12647	hfc9006	12703	hfc9083	12759	hfc9162	12815	hfc9231	12871	hfc9298
12648	hfc9007	12704	hfc9084	12760	hfc9163	12816	hfc9232	12872	hfc9299
12649	hfc9008	12705	hfc9085	12761	hfc9164	12817	hfc9234	12873	hfc9300
12650	hfc9009	12706	hfc9086	12762	hfc9165	12818	hfc9236	12874	hfc9301
12651	hfc9011	12707	hfc9088	12763	hfc9167	12819	hfc9237	12875	hfc9302
12652	hfc9012	12708	hfc9089	12764	hfc9169	12820	hfc9239	12876	hfc9303
12653	hfc9013	12709	hfc9090	12765	hfc9170	12821	hfc9240	12877	hfc9304
12654	hfc9014	12710	hfc9091	12766	hfc9171	12822	hfc9241	12878	hfc9307
12655	hfc9015	12711	hfc9092	12767	hfc9172	12823	hfc9242	12879	hfc9310
12656	hfc9017	12712	hfc9094	12768	hfc9173	12824	hfc9243	12880	hfc9312



Figure 6B - Continued

12881	hfc9314	12937	hfc9397	12993	hfc9477	13049	hfc9545	13105	hfc9611
12882	hfc9315	12938	hfc9398	12994	hfc9478	13050	hfc9546	13106	hfc9612
12883	hfc9316	12939	hfc9399	12995	hfc9480	13051	hfc9547	13107	hfc9613
12884	hfc9317	12940	hfc9400	12996	hfc9481	13052	hfc9548	13108	hfc9614
12885	hfc9319	12941	hfc9402	12997	hfc9482	13053	hfc9549	13109	hfc9616
12886	hfc9320	12942	hfc9403	12998	hfc9483	13054	hfc9550	13110	hfc9617
12887	hfc9321	12943	hfc9404	12999	hfc9484	13055	hfc9551	13111	hfc9619
12888	hfc9323	12944	hfc9405	13000	hfc9485	13056	hfc9553	13112	hfc9620
12889	hfc9324	12945	hfc9406	13001	hfc9488	13057	hfc9554	13113	hfc9621
12890	hfc9326	12946	hfc9408	13002	hfc9490	13058	hfc9555	13114	hfc9622
12891	hfc9327	12947	hfc9410	13003	hfc9491	13059	hfc9556	13115	hfc9623
12892	hfc9337	12948	hfc9411	13004	hfc9492	13060	hfc9558	13116	hfc9624
12893	hfc9338	12949	hfc9412	13005	hfc9493	13061	hfc9559	13117	hfc9625
12894	hfc9340	12950	hfc9413	13006	hfc9494	13062	hfc9560	13118	hfc9626
12895	hfc9341	12951	hfc9414	13007	hfc9495	13063	hfc9561	13119	hfc9627
12896	hfc9342	12952	hfc9415	13008	hfc9496	13064	hfc9562	13120	hfc9628
12897	hfc9343	12953	hfc9416	13009	hfc9497	13065	hfc9563	13121	hfc9629
12898	hfc9344	12954	hfc9417	13010	hfc9500	13066	hfc9564	13122	hfc9630
12899	hfc9345	12955	hfc9418	13011	hfc9501	13067	hfc9565	13123	hfc9631
12900	hfc9346	12956	hfc9419	13012	hfc9502	13068	hfc9566	13124	hfc9633
12901	hfc9347	12957	hfc9420	13013	hfc9503	13069	hfc9567	13125	hfc9634
12902	hfc9348	12958	hfc9421	13014	hfc9505	13070	hfc9569	13126	hfc9635
12903	hfc9350	12959	hfc9424	13015	hfc9506	13071	hfc9572	13127	hfc9637
12904	hfc9351	12960	hfc9425	13016	hfc9507	13072	hfc9573	13128	hfc9638
12905	hfc9352	12961	hfc9426	13017	hfc9508	13073	hfc9574	13129	hfc9639
12906	hfc9353	12962	hfc9427	13018	hfc9509	13074	hfc9575	13130	hfc9640
12907	hfc9354	12963	hfc9428	13019	hfc9510	13075	hfc9576	13131	hfc9643
12908	hfc9355	12964	hfc9431	13020	hfc9511	13076	hfc9577	13132	hfc9644
12909	hfc9356	12965	hfc9432	13021	hfc9512	13077	hfc9578	13133	hfc9645
12910	hfc9357	12966	hfc9433	13022	hfc9513	13078	hfc9579	13134	hfc9646
12911	hfc9358	12967	hfc9434	13023	hfc9514	13079	hfc9580	13135	hfc9647
12912	hfc9359	12968	hfc9437	13024	hfc9515	13080	hfc9581	13136	hfc9648
12913	hfc9361	12969	hfc9438	13025	hfc9518	13081	hfc9582	13137	hfc9649
12914	hfc9362	12970	hfc9439	13026	hfc9519	13082	hfc9583	13138	hfc9650
12915	hfc9363	12971	hfc9441	13027	hfc9520	13083	hfc9585	13139	hfc9651
12916	hfc9364	12972	hfc9444	13028	hfc9521	13084	hfc9586	13140	hfc9652
12917	hfc9366	12973	hfc9445	13029	hfc9522	13085	hfc9591	13141	hfc9653
12918	hfc9367	12974	hfc9446	13030	hfc9523	13086	hfc9592	13142	hfc9655
12919	hfc9368	12975	hfc9447	13031	hfc9524	13087	hfc9593	13143	hfc9656
12920	hfc9369	12976	hfc9448	13032	hfc9525	13088	hfc9594	13144	hfc9657
12921	hfc9371	12977	hfc9449	13033	hfc9527	13089	hfc9595	13145	hfc9658
12922	hfc9372	12978	hfc9450	13034	hfc9528	13090	hfc9596	13146	hfc9660
12923	hfc9374	12979	hfc9459	13035	hfc9529	13091	hfc9597	13147	hfc9661
12924	hfc9375	12980	hfc9461	13036	hfc9530	13092	hfc9598	13148	hfc9663
12925	hfc9378	12981	hfc9462	13037	hfc9532	13093	hfc9599	13149	hfc9664
12926	hfc9381	12982	hfc9463	13038	hfc9533	13094	hfc9600	13150	hfc9666
12927	hfc9383	12983	hfc9465	13039	hfc9534	13095	hfc9601	13151	hfc9667
12928	hfc9384	12984	hfc9466	13040	hfc9535	13096	hfc9602	13152	hfc9668
12929	hfc9386	12985	hfc9468	13041	hfc9536	13097	hfc9603	13153	hfc9669
12930	hfc9387	12986	hfc9469	13042	hfc9537	13098	hfc9604	13154	hfc9670
12931	hfc9388	12987	hfc9470	13043	hfc9538	13099	hfc9605	13155	hfc9671
12932	hfc9389	12988	hfc9471	13044	hfc9539	13100	hfc9606	13156	hfc9673
12933	hfc9390	12989	hfc9472	13045	hfc9540	13101	hfc9607	13157	hfc9675
12934	hfc9391	12990	hfc9473	13046	hfc9541	13102	hfc9608	13158	hfc9676
12935	hfc9392	12991	hfc9474	13047	hfc9542	13103	hfc9609	13159	hfc9677
12936	hfc9396	12992	hfc9475	13048	hfc9543	13104	hfc9610	13160	hfc9678

Figure 6B - Continued

13161	hfc9679	13217	hfc9754	13273	hfc9836	13329	hfc9915	13385	hfc9986
13162	hfc9680	13218	hfc9755	13274	hfc9837	13330	hfc9916	13386	hfc9987
13163	hfc9681	13219	hfc9756	13275	hfc9840	13331	hfc9917	13387	hfc9988
13164	hfc9682	13220	hfc9757	13276	hfc9841	13332	hfc9918	13388	hfc9989
13165	hfc9684	13221	hfc9759	13277	hfc9842	13333	hfc9919	13389	hfc9990
13166	hfc9685	13222	hfc9761	13278	hfc9843	13334	hfc9920	13390	hfc9991
13167	hfc9686	13223	hfc9763	13279	hfc9844	13335	hfc9921	13391	hfc9992
13168	hfc9687	13224	hfc9764	13280	hfc9845	13336	hfc9922	13392	hfc9993
13169	hfc9689	13225	hfc9767	13281	hfc9846	13337	hfc9923	13393	hfc9994
13170	hfc9690	13226	hfc9768	13282	hfc9847	13338	hfc9924	13394	hfc9995
13171	hfc9691	13227	hfc9769	13283	hfc9848	13339	hfc9926	13395	hfc9996
13172	hfc9692	13228	hfc9771	13284	hfc9853	13340	hfc9927	13396	hfc9997
13173	hfc9694	13229	hfc9773	13285	hfc9861	13341	hfc9928	13397	hfc9998
13174	hfc9695	13230	hfc9774	13286	hfc9862	13342	hfc9929	13398	hfc9999
13175	hfc9696	13231	hfc9775	13287	hfc9863	13343	hfc9932		
13176	hfc9698	13232	hfc9776	13288	hfc9866	13344	hfc9933		
13177	hfc9700	13233	hfc9777	13289	hfc9867	13345	hfc9934		
13178	hfc9701	13234	hfc9778	13290	hfc9868	13346	hfc9935		
13179	hfc9703	13235	hfc9779	13291	hfc9869	13347	hfc9936		
13180	hfc9704	13236	hfc9782	13292	hfc9871	13348	hfc9938		
13181	hfc9705	13237	hfc9783	13293	hfc9872	13349	hfc9939		
13182	hfc9706	13238	hfc9784	13294	hfc9875	13350	hfc9940		
13183	hfc9707	13239	hfc9785	13295	hfc9879	13351	hfc9941		
13184	hfc9708	13240	hfc9787	13296	hfc9880	13352	hfc9942		
13185	hfc9709	13241	hfc9788	13297	hfc9881	13353	hfc9943		
13186	hfc9711	13242	hfc9789	13298	hfc9883	13354	hfc9945		
13187	hfc9713	13243	hfc9790	13299	hfc9884	13355	hfc9946		
13188	hfc9715	13244	hfc9791	13300	hfc9885	13356	hfc9947		
13189	hfc9716	13245	hfc9794	13301	hfc9886	13357	hfc9948		
13190	hfc9717	13246	hfc9795	13302	hfc9887	13358	hfc9949		
13191	hfc9718	13247	hfc9796	13303	hfc9888	13359	hfc9953		
13192	hfc9719	13248	hfc9797	13304	hfc9889	13360	hfc9954		
13193	hfc9720	13249	hfc9799	13305	hfc9890	13361	hfc9955		
13194	hfc9721	13250	hfc9800	13306	hfc9891	13362	hfc9956		
13195	hfc9723	13251	hfc9802	13307	hfc9892	13363	hfc9958		
13196	hfc9725	13252	hfc9803	13308	hfc9893	13364	hfc9959		
13197	hfc9726	13253	hfc9804	13309	hfc9894	13365	hfc9960		
13198	hfc9727	13254	hfc9807	13310	hfc9895	13366	hfc9961		
13199	hfc9728	13255	hfc9808	13311	hfc9896	13367	hfc9963		
13200	hfc9729	13256	hfc9809	13312	hfc9897	13368	hfc9965		
13201	hfc9730	13257	hfc9810	13313	hfc9898	13369	hfc9966		
13202	hfc9731	13258	hfc9811	13314	hfc9899	13370	hfc9967		
13203	hfc9733	13259	hfc9812	13315	hfc9900	13371	hfc9968		
13204	hfc9736	13260	hfc9814	13316	hfc9901	13372	hfc9969		
13205	hfc9737	13261	hfc9815	13317	hfc9902	13373	hfc9970		
13206	hfc9738	13262	hfc9816	13318	hfc9903	13374	hfc9971		
13207	hfc9739	13263	hfc9817	13319	hfc9904	13375	hfc9973		
13208	hfc9740	13264	hfc9819	13320	hfc9905	13376	hfc9974		
13209	hfc9741	13265	hfc9820	13321	hfc9907	13377	hfc9975		
13210	hfc9742	13266	hfc9821	13322	hfc9908	13378	hfc9976		
13211	hfc9743	13267	hfc9822	13323	hfc9909	13379	hfc9977		
13212	hfc9744	13268	hfc9823	13324	hfc9910	13380	hfc9979		
13213	hfc9745	13269	hfc9824	13325	hfc9911	13381	hfc9980		
13214	hfc9746	13270	hfc9827	13326	hfc9912	13382	hfc9981		
13215	hfc9748	13271	hfc9830	13327	hfc9913	13383	hfc9982		
13216	hfc9751	13272	hfc9835	13328	hfc9914	13384	hfc9985		

Figure 6C – List of EST Sequence Names From Normal Cartilage cDNA Library

1	ncr0001	57	ncr0088	113	ncr0168	169	ncr0252	225	ncr0332
2	ncr0004	58	ncr0090	114	ncr0169	170	ncr0253	226	ncr0333
3	ncr0005	59	ncr0091	115	ncr0170	171	ncr0255	227	ncr0335
4	ncr0007	60	ncr0092	116	ncr0171	172	ncr0256	228	ncr0336
5	ncr0008	61	ncr0094	117	ncr0172	173	ncr0257	229	ncr0338
6	ncr0011	62	ncr0095	118	ncr0173	174	ncr0258	230	ncr0339n
7	ncr0013	63	ncr0096	119	ncr0174	175	ncr0260	231	ncr0340
8	ncr0014	64	ncr0097	120	ncr0176	176	ncr0261	232	ncr0343
9	ncr0015	65	ncr0099	121	ncr0178	177	ncr0262	233	ncr0345
10	ncr0016	66	ncr0100	122	ncr0179	178	ncr0265	234	ncr0347
11	ncr0018	67	ncr0101	123	ncr0180	179	ncr0266	235	ncr0350
12	ncr0019	68	ncr0103	124	ncr0181	180	ncr0267	236	ncr0352
13	ncr0020	69	ncr0104	125	ncr0182	181	ncr0268	237	ncr0353
14	ncr0021	70	ncr0105	126	ncr0183	182	ncr0269	238	ncr0355
15	ncr0023	71	ncr0107	127	ncr0184	183	ncr0270	239	ncr0356
16	ncr0025	72	ncr0108	128	ncr0185	184	ncr0272	240	ncr0357
17	ncr0026	73	ncr0109	129	ncr0186	185	ncr0273	241	ncr0358
18	ncr0028	74	ncr0110	130	ncr0187	186	ncr0274	242	ncr0360
19	ncr0029	75	ncr0113	131	ncr0188	187	ncr0275	243	ncr0363
20	ncr0031	76	ncr0114	132	ncr0189	188	ncr0276	244	ncr0364
21	ncr0032	77	ncr0115	133	ncr0191	189	ncr0277	245	ncr0365
22	ncr0033	78	ncr0117	134	ncr0193	190	ncr0279	246	ncr0366
23	ncr0034	79	ncr0120	135	ncr0194	191	ncr0282	247	ncr0368
24	ncr0035	80	ncr0122	136	ncr0197	192	ncr0284	248	ncr0369
25	ncr0036	81	ncr0123	137	ncr0198	193	ncr0285	249	ncr0370n
26	ncr0037	82	ncr0124	138	ncr0199	194	ncr0286	250	ncr0371n
27	ncr0041	83	ncr0125	139	ncr0201	195	ncr0287	251	ncr0372
28	ncr0043	84	ncr0126	140	ncr0205	196	ncr0289	252	ncr0373
29	ncr0044	85	ncr0128	141	ncr0206	197	ncr0291	253	ncr0374
30	ncr0045	86	ncr0130	142	ncr0208	198	ncr0292	254	ncr0376
31	ncr0046	87	ncr0132	143	ncr0209	199	ncr0296	255	ncr0377
32	ncr0047	88	ncr0133	144	ncr0210	200	ncr0299	256	ncr0378
33	ncr0048	89	ncr0134	145	ncr0211	201	ncr0300	257	ncr0379
34	ncr0049	90	ncr0135	146	ncr0212	202	ncr0301	258	ncr0380
35	ncr0051	91	ncr0136	147	ncr0213	203	ncr0303	259	ncr0381
36	ncr0052	92	ncr0137	148	ncr0215	204	ncr0304	260	ncr0382
37	ncr0054	93	ncr0138	149	ncr0218	205	ncr0305	261	ncr0383
38	ncr0055	94	ncr0140	150	ncr0221	206	ncr0306	262	ncr0384
39	ncr0056	95	ncr0142	151	ncr0222	207	ncr0307	263	ncr0385
40	ncr0060	96	ncr0143	152	ncr0223	208	ncr0309	264	ncr0387
41	ncr0064	97	ncr0144	153	ncr0224	209	ncr0310n	265	ncr0388
42	ncr0066	98	ncr0145	154	ncr0231	210	ncr0312	266	ncr0389
43	ncr0067	99	ncr0146	155	ncr0233	211	ncr0313	267	ncr0392
44	ncr0070	100	ncr0148	156	ncr0235	212	ncr0314	268	ncr0393
45	ncr0072	101	ncr0149	157	ncr0236	213	ncr0315	269	ncr0395
46	ncr0073	102	ncr0150	158	ncr0238	214	ncr0316	270	ncr0396
47	ncr0074	103	ncr0152	159	ncr0239	215	ncr0317	271	ncr0400
48	ncr0075	104	ncr0153	160	ncr0240	216	ncr0319	272	ncr0402
49	ncr0076	105	ncr0156	161	ncr0241	217	ncr0320	273	ncr0403
50	ncr0078	106	ncr0157	162	ncr0242	218	ncr0323	274	ncr0404
51	ncr0079	107	ncr0159	163	ncr0243	219	ncr0325	275	ncr0407
52	ncr0080	108	ncr0160	164	ncr0244	220	ncr0326	276	ncr0408
53	ncr0081	109	ncr0164	165	ncr0245	221	ncr0328	277	ncr0409
54	ncr0083	110	ncr0165	166	ncr0246	222	ncr0329	278	ncr0411
55	ncr0084	111	ncr0166n	167	ncr0250	223	ncr0330	279	ncr0412
56	ncr0085	112	ncr0167	168	ncr0251	224	ncr0331	280	ncr0413

Figure 6C – Continued

281	ncr0415	337	ncr0496	393	ncr0567	449	ncr0633	505	ncr0725
282	ncr0416	338	ncr0497	394	ncr0568	450	ncr0634	506	ncr0728
283	ncr0417	339	ncr0498	395	ncr0569	451	ncr0635	507	ncr0729
284	ncr0418	340	ncr0500	396	ncr0570	452	ncr0637	508	ncr0731
285	ncr0420	341	ncr0502	397	ncr0571	453	ncr0638	509	ncr0733
286	ncr0421	342	ncr0503	398	ncr0572	454	ncr0640	510	ncr0734
287	ncr0422	343	ncr0504	399	ncr0573	455	ncr0641	511	ncr0736
288	ncr0424	344	ncr0505	400	ncr0574	456	ncr0642	512	ncr0738
289	ncr0425	345	ncr0506	401	ncr0575	457	ncr0643	513	ncr0739
290	ncr0426	346	ncr0507	402	ncr0576	458	ncr0644	514	ncr0740
291	ncr0427	347	ncr0509	403	ncr0577	459	ncr0645	515	ncr0741
292	ncr0429	348	ncr0511	404	ncr0578	460	ncr0646	516	ncr0742
293	ncr0432	349	ncr0512	405	ncr0580	461	ncr0648	517	ncr0744
294	ncr0433	350	ncr0513	406	ncr0581	462	ncr0649	518	ncr0746
295	ncr0434	351	ncr0514	407	ncr0582	463	ncr0650	519	ncr0747
296	ncr0436	352	ncr0516	408	ncr0583	464	ncr0652	520	ncr0749
297	ncr0438	353	ncr0518	409	ncr0584	465	ncr0654	521	ncr0751
298	ncr0441	354	ncr0519	410	ncr0586	466	ncr0656	522	ncr0754
299	ncr0442	355	ncr0521	411	ncr0587	467	ncr0658	523	ncr0755
300	ncr0443	356	ncr0522	412	ncr0588	468	ncr0660	524	ncr0756
301	ncr0444	357	ncr0524	413	ncr0589	469	ncr0661	525	ncr0759
302	ncr0445	358	ncr0525	414	ncr0590	470	ncr0662	526	ncr0760
303	ncr0446	359	ncr0527	415	ncr0591	471	ncr0663	527	ncr0761
304	ncr0448	360	ncr0528	416	ncr0593	472	ncr0664	528	ncr0762
305	ncr0449	361	ncr0531	417	ncr0594	473	ncr0666	529	ncr0763
306	ncr0451	362	ncr0532	418	ncr0595	474	ncr0667	530	ncr0764
307	ncr0452	363	ncr0533	419	ncr0596	475	ncr0669	531	ncr0765
308	ncr0453	364	ncr0534	420	ncr0597	476	ncr0671	532	ncr0766
309	ncr0454	365	ncr0535	421	ncr0598	477	ncr0672	533	ncr0767
310	ncr0455	366	ncr0536	422	ncr0600	478	ncr0673	534	ncr0768
311	ncr0456	367	ncr0538	423	ncr0602	479	ncr0675	535	ncr0769
312	ncr0457	368	ncr0539	424	ncr0604	480	ncr0676	536	ncr0772
313	ncr0459	369	ncr0540	425	ncr0605	481	ncr0678	537	ncr0773
314	ncr0460	370	ncr0541	426	ncr0608	482	ncr0679	538	ncr0775
315	ncr0461	371	ncr0542	427	ncr0609	483	ncr0680	539	ncr0776
316	ncr0463	372	ncr0543	428	ncr0610	484	ncr0681	540	ncr0779
317	ncr0466	373	ncr0544	429	ncr0611	485	ncr0685	541	ncr0780
318	ncr0467	374	ncr0545	430	ncr0612	486	ncr0687	542	ncr0781
319	ncr0469	375	ncr0546	431	ncr0613	487	ncr0688	543	ncr0783
320	ncr0470	376	ncr0547	432	ncr0614	488	ncr0690	544	ncr0785
321	ncr0471	377	ncr0548	433	ncr0615	489	ncr0692	545	ncr0786
322	ncr0472	378	ncr0549	434	ncr0617	490	ncr0693	546	ncr0787
323	ncr0474	379	ncr0550	435	ncr0618	491	ncr0694	547	ncr0788
324	ncr0475	380	ncr0551	436	ncr0619	492	ncr0696	548	ncr0791
325	ncr0477	381	ncr0553	437	ncr0620	493	ncr0697	549	ncr0792
326	ncr0478	382	ncr0554	438	ncr0621	494	ncr0700	550	ncr0795
327	ncr0479	383	ncr0556	439	ncr0622	495	ncr0701	551	ncr0796
328	ncr0480	384	ncr0557	440	ncr0623	496	ncr0704	552	ncr0797
329	ncr0484	385	ncr0559	441	ncr0624	497	ncr0708	553	ncr0799
330	ncr0485	386	ncr0560	442	ncr0625	498	ncr0711	554	ncr0800
331	ncr0486	387	ncr0561	443	ncr0626	499	ncr0713	555	ncr0801
332	ncr0488	388	ncr0562	444	ncr0627	500	ncr0714	556	ncr0802
333	ncr0489	389	ncr0563	445	ncr0628	501	ncr0716	557	ncr0803
334	ncr0491	390	ncr0564	446	ncr0630	502	ncr0720	558	ncr0806
335	ncr0494	391	ncr0565	447	ncr0631	503	ncr0721	559	ncr0807
336	ncr0495	392	ncr0566	448	ncr0632	504	ncr0723	560	ncr0808

Figure 6C – Continued

561	ncr0810	617	ncr0895	673	ncr0967	729	ncr1045	785	ncr1135
562	ncr0812	618	ncr0897	674	ncr0968	730	ncr1046	786	ncr1137
563	ncr0813	619	ncr0898	675	ncr0969	731	ncr1047	787	ncr1138
564	ncr0814	620	ncr0899	676	ncr0971	732	ncr1048	788	ncr1139
565	ncr0816	621	ncr0900	677	ncr0972	733	ncr1049	789	ncr1140
566	ncr0817	622	ncr0901	678	ncr0974	734	ncr1051	790	ncr1141
567	ncr0819	623	ncr0902	679	ncr0975	735	ncr1052	791	ncr1142
568	ncr0820	624	ncr0904	680	ncr0976	736	ncr1053	792	ncr1147
569	ncr0822	625	ncr0906	681	ncr0977	737	ncr1055	793	ncr1148
570	ncr0824	626	ncr0908	682	ncr0979	738	ncr1059	794	ncr1150
571	ncr0825	627	ncr0910	683	ncr0980	739	ncr1060	795	ncr1152
572	ncr0826	628	ncr0911	684	ncr0984	740	ncr1061	796	ncr1155
573	ncr0827	629	ncr0912	685	ncr0985	741	ncr1063	797	ncr1159
574	ncr0828	630	ncr0913	686	ncr0987	742	ncr1065	798	ncr1161
575	ncr0829	631	ncr0914	687	ncr0988	743	ncr1067	799	ncr1163
576	ncr0830	632	ncr0915	688	ncr0989	744	ncr1068	800	ncr1165
577	ncr0832	633	ncr0916	689	ncr0991	745	ncr1071	801	ncr1167
578	ncr0833	634	ncr0917	690	ncr0992	746	ncr1072	802	ncr1168
579	ncr0835	635	ncr0918	691	ncr0994	747	ncr1073	803	ncr1169
580	ncr0836	636	ncr0920	692	ncr0995	748	ncr1076	804	ncr1171
581	ncr0838	637	ncr0921	693	ncr0997	749	ncr1077	805	ncr1172
582	ncr0839	638	ncr0922	694	ncr0998	750	ncr1079	806	ncr1175
583	ncr0840	639	ncr0923	695	ncr0999	751	ncr1080	807	ncr1177
584	ncr0842	640	ncr0924	696	ncr1002	752	ncr1082	808	ncr1179
585	ncr0843	641	ncr0925	697	ncr1003	753	ncr1085	809	ncr1180
586	ncr0844	642	ncr0926	698	ncr1004	754	ncr1087	810	ncr1181
587	ncr0845	643	ncr0927	699	ncr1005	755	ncr1090	811	ncr1183
588	ncr0846	644	ncr0928	700	ncr1006	756	ncr1091	812	ncr1184
589	ncr0847	645	ncr0929	701	ncr1007	757	ncr1094	813	ncr1186
590	ncr0851	646	ncr0931	702	ncr1008	758	ncr1096	814	ncr1187
591	ncr0852	647	ncr0933	703	ncr1009	759	ncr1098	815	ncr1191
592	ncr0853	648	ncr0934	704	ncr1011	760	ncr1099	816	ncr1192
593	ncr0854	649	ncr0935	705	ncr1012	761	ncr1101	817	ncr1194
594	ncr0855	650	ncr0937	706	ncr1013	762	ncr1102	818	ncr1195
595	ncr0856	651	ncr0938	707	ncr1016	763	ncr1103	819	ncr1196
596	ncr0859	652	ncr0939	708	ncr1020	764	ncr1104	820	ncr1197
597	ncr0860	653	ncr0941	709	ncr1021	765	ncr1105	821	ncr1199
598	ncr0861	654	ncr0942	710	ncr1023	766	ncr1107	822	ncr1200
599	ncr0862	655	ncr0943	711	ncr1024	767	ncr1108	823	ncr1201
600	ncr0863	656	ncr0944	712	ncr1025	768	ncr1109	824	ncr1203
601	ncr0865	657	ncr0945	713	ncr1026	769	ncr1110	825	ncr1204
602	ncr0867	658	ncr0946	714	ncr1028	770	ncr1113	826	ncr1205
603	ncr0869	659	ncr0947	715	ncr1029	771	ncr1114	827	ncr1206
604	ncr0870	660	ncr0948	716	ncr1030	772	ncr1115	828	ncr1208
605	ncr0871	661	ncr0949	717	ncr1031	773	ncr1116	829	ncr1209
606	ncr0872	662	ncr0950	718	ncr1032	774	ncr1117	830	ncr1210
607	ncr0879	663	ncr0952	719	ncr1033	775	ncr1119	831	ncr1211
608	ncr0880	664	ncr0953	720	ncr1034	776	ncr1121	832	ncr1212
609	ncr0881	665	ncr0954	721	ncr1035	777	ncr1122	833	ncr1213
610	ncr0883	666	ncr0956	722	ncr1036	778	ncr1125	834	ncr1214
611	ncr0884	667	ncr0957	723	ncr1038	779	ncr1126	835	ncr1215
612	ncr0885	668	ncr0958	724	ncr1039	780	ncr1127	836	ncr1216
613	ncr0888	669	ncr0959	725	ncr1040	781	ncr1129	837	ncr1217
614	ncr0889	670	ncr0960	726	ncr1041	782	ncr1130	838	ncr1218
615	ncr0891	671	ncr0963	727	ncr1042	783	ncr1132	839	ncr1219
616	ncr0893	672	ncr0965	728	ncr1043	784	ncr1134	840	ncr1220

Figure 6C - Continued

841	ncr1221	897	ncr1298	953	ncr1386	1009	ncr1460	1065	ncr1534
842	ncr1224	898	ncr1299	954	ncr1387	1010	ncr1461	1066	ncr1535
843	ncr1225	899	ncr1302	955	ncr1388	1011	ncr1464	1067	ncr1536
844	ncr1226	900	ncr1303	956	ncr1389	1012	ncr1465	1068	ncr1539
845	ncr1228	901	ncr1305	957	ncr1390	1013	ncr1466	1069	ncr1544
846	ncr1229	902	ncr1307	958	ncr1393	1014	ncr1469	1070	ncr1545
847	ncr1230	903	ncr1309	959	ncr1394	1015	ncr1471	1071	ncr1548
848	ncr1231	904	ncr1310	960	ncr1395	1016	ncr1473	1072	ncr1550
849	ncr1232	905	ncr1312	961	ncr1396	1017	ncr1474	1073	ncr1551
850	ncr1235	906	ncr1313	962	ncr1398	1018	ncr1475	1074	ncr1552
851	ncr1236	907	ncr1314	963	ncr1399	1019	ncr1476	1075	ncr1553
852	ncr1238	908	ncr1315	964	ncr1400	1020	ncr1478	1076	ncr1555
853	ncr1240	909	ncr1316	965	ncr1401	1021	ncr1479	1077	ncr1556
854	ncr1241	910	ncr1317	966	ncr1402	1022	ncr1480	1078	ncr1557
855	ncr1242	911	ncr1318	967	ncr1403	1023	ncr1483	1079	ncr1559
856	ncr1244	912	ncr1319	968	ncr1404	1024	ncr1484	1080	ncr1560
857	ncr1245	913	ncr1320	969	ncr1405	1025	ncr1485	1081	ncr1563
858	ncr1246	914	ncr1323	970	ncr1406	1026	ncr1486	1082	ncr1565
859	ncr1247	915	ncr1324	971	ncr1407	1027	ncr1488	1083	ncr1567
860	ncr1248	916	ncr1325	972	ncr1408	1028	ncr1490	1084	ncr1568
861	ncr1249	917	ncr1326	973	ncr1409	1029	ncr1491	1085	ncr1569
862	ncr1251	918	ncr1328	974	ncr1410	1030	ncr1492	1086	ncr1570
863	ncr1252	919	ncr1330	975	ncr1411	1031	ncr1494	1087	ncr1571
864	ncr1255	920	ncr1332	976	ncr1413	1032	ncr1495	1088	ncr1572
865	ncr1256	921	ncr1333	977	ncr1414	1033	ncr1496	1089	ncr1573
866	ncr1257	922	ncr1334	978	ncr1415	1034	ncr1497	1090	ncr1575
867	ncr1260	923	ncr1335	979	ncr1416	1035	ncr1499	1091	ncr1576
868	ncr1261	924	ncr1337	980	ncr1417	1036	ncr1501	1092	ncr1578
869	ncr1263	925	ncr1338	981	ncr1418	1037	ncr1502	1093	ncr1580
870	ncr1264	926	ncr1339	982	ncr1420	1038	ncr1503	1094	ncr1583
871	ncr1265	927	ncr1344	983	ncr1421	1039	ncr1504	1095	ncr1585
872	ncr1267	928	ncr1345	984	ncr1422	1040	ncr1505	1096	ncr1587
873	ncr1268	929	ncr1347	985	ncr1423	1041	ncr1506	1097	ncr1589
874	ncr1271	930	ncr1348	986	ncr1424	1042	ncr1507	1098	ncr1590
875	ncr1272	931	ncr1351	987	ncr1425	1043	ncr1508	1099	ncr1592
876	ncr1273	932	ncr1352	988	ncr1426	1044	ncr1509	1100	ncr1593
877	ncr1274	933	ncr1353	989	ncr1427	1045	ncr1510	1101	ncr1594
878	ncr1275	934	ncr1355	990	ncr1428	1046	ncr1511	1102	ncr1595
879	ncr1276	935	ncr1356	991	ncr1429	1047	ncr1512	1103	ncr1596
880	ncr1280	936	ncr1357	992	ncr1430	1048	ncr1513	1104	ncr1597
881	ncr1281	937	ncr1360	993	ncr1431	1049	ncr1514	1105	ncr1599
882	ncr1282	938	ncr1361	994	ncr1433	1050	ncr1515	1106	ncr1600
883	ncr1283	939	ncr1368	995	ncr1434	1051	ncr1516	1107	ncr1601
884	ncr1284	940	ncr1369	996	ncr1435	1052	ncr1519	1108	ncr1602
885	ncr1285	941	ncr1370	997	ncr1436	1053	ncr1520	1109	ncr1603
886	ncr1286	942	ncr1371	998	ncr1437	1054	ncr1522	1110	ncr1604
887	ncr1288	943	ncr1372	999	ncr1439	1055	ncr1523	1111	ncr1605
888	ncr1289	944	ncr1373	1000	ncr1440	1056	ncr1524	1112	ncr1608
889	ncr1290	945	ncr1375	1001	ncr1444	1057	ncr1525	1113	ncr1609
890	ncr1291	946	ncr1376	1002	ncr1445	1058	ncr1526	1114	ncr1610
891	ncr1292	947	ncr1377	1003	ncr1447	1059	ncr1527	1115	ncr1612
892	ncr1293	948	ncr1378	1004	ncr1449	1060	ncr1528	1116	ncr1613
893	ncr1294	949	ncr1379	1005	ncr1451	1061	ncr1529	1117	ncr1617
894	ncr1295	950	ncr1380	1006	ncr1452	1062	ncr1531	1118	ncr1618
895	ncr1296	951	ncr1381	1007	ncr1455	1063	ncr1532	1119	ncr1619
896	ncr1297	952	ncr1384	1008	ncr1459	1064	ncr1533	1120	ncr1620

Figure 6C -- Continued

1121	ncr1622	1177	ncr1701	1233	ncr1778	1289	ncr1863	1345	ncr1942
1122	ncr1623	1178	ncr1702	1234	ncr1779	1290	ncr1864	1346	ncr1944
1123	ncr1624	1179	ncr1703	1235	ncr1780	1291	ncr1867	1347	ncr1945
1124	ncr1627	1180	ncr1704	1236	ncr1781	1292	ncr1868	1348	ncr1948
1125	ncr1628	1181	ncr1707	1237	ncr1782	1293	ncr1869	1349	ncr1949
1126	ncr1630	1182	ncr1708	1238	ncr1783	1294	ncr1870	1350	ncr1951
1127	ncr1631	1183	ncr1709	1239	ncr1784	1295	ncr1871	1351	ncr1953
1128	ncr1632	1184	ncr1710	1240	ncr1785	1296	ncr1873	1352	ncr1954
1129	ncr1636	1185	ncr1711	1241	ncr1786	1297	ncr1874	1353	ncr1957
1130	ncr1637	1186	ncr1712	1242	ncr1787	1298	ncr1875	1354	ncr1959
1131	ncr1640	1187	ncr1713	1243	ncr1788	1299	ncr1876	1355	ncr1964
1132	ncr1641	1188	ncr1714	1244	ncr1789	1300	ncr1877	1356	ncr1966
1133	ncr1644	1189	ncr1715	1245	ncr1791	1301	ncr1879	1357	ncr1967
1134	ncr1645	1190	ncr1716	1246	ncr1792	1302	ncr1881	1358	ncr1969
1135	ncr1646	1191	ncr1717	1247	ncr1793	1303	ncr1882	1359	ncr1970
1136	ncr1648	1192	ncr1718	1248	ncr1794	1304	ncr1883	1360	ncr1971
1137	ncr1649	1193	ncr1719	1249	ncr1795	1305	ncr1886	1361	ncr1972
1138	ncr1651	1194	ncr1720	1250	ncr1797	1306	ncr1888	1362	ncr1975
1139	ncr1652	1195	ncr1723	1251	ncr1798	1307	ncr1889	1363	ncr1976
1140	ncr1653	1196	ncr1724	1252	ncr1800	1308	ncr1892	1364	ncr1977
1141	ncr1656	1197	ncr1725	1253	ncr1802	1309	ncr1893	1365	ncr1978
1142	ncr1657	1198	ncr1726	1254	ncr1803	1310	ncr1894	1366	ncr1980
1143	ncr1658	1199	ncr1727	1255	ncr1804	1311	ncr1895	1367	ncr1981
1144	ncr1660	1200	ncr1728	1256	ncr1805	1312	ncr1898	1368	ncr1982
1145	ncr1661	1201	ncr1731	1257	ncr1806	1313	ncr1900	1369	ncr1983
1146	ncr1663	1202	ncr1732	1258	ncr1808	1314	ncr1901	1370	ncr1984
1147	ncr1666	1203	ncr1733	1259	ncr1809	1315	ncr1903	1371	ncr1985
1148	ncr1667	1204	ncr1735	1260	ncr1811	1316	ncr1904	1372	ncr1988
1149	ncr1668	1205	ncr1736	1261	ncr1812	1317	ncr1905	1373	ncr1989
1150	ncr1669	1206	ncr1737	1262	ncr1813	1318	ncr1906	1374	ncr1990
1151	ncr1671	1207	ncr1739	1263	ncr1814	1319	ncr1907	1375	ncr1992
1152	ncr1672	1208	ncr1741	1264	ncr1815	1320	ncr1908	1376	ncr1993
1153	ncr1674	1209	ncr1743	1265	ncr1816	1321	ncr1909	1377	ncr1994
1154	ncr1675	1210	ncr1744	1266	ncr1817	1322	ncr1910	1378	ncr1996
1155	ncr1676	1211	ncr1745	1267	ncr1818	1323	ncr1911	1379	ncr1997
1156	ncr1677	1212	ncr1747	1268	ncr1819	1324	ncr1912	1380	ncr1999
1157	ncr1678	1213	ncr1748	1269	ncr1820	1325	ncr1913	1381	ncr2000
1158	ncr1679	1214	ncr1749	1270	ncr1821	1326	ncr1914	1382	ncr2001
1159	ncr1680	1215	ncr1752	1271	ncr1822	1327	ncr1916	1383	ncr2004
1160	ncr1681	1216	ncr1753	1272	ncr1824	1328	ncr1917	1384	ncr2005
1161	ncr1682	1217	ncr1754	1273	ncr1825	1329	ncr1918	1385	ncr2006
1162	ncr1683	1218	ncr1755	1274	ncr1832	1330	ncr1919	1386	ncr2007
1163	ncr1684	1219	ncr1756	1275	ncr1833	1331	ncr1920	1387	ncr2009
1164	ncr1685	1220	ncr1757	1276	ncr1835	1332	ncr1926	1388	ncr2010
1165	ncr1687	1221	ncr1759	1277	ncr1839	1333	ncr1928	1389	ncr2011
1166	ncr1688	1222	ncr1760	1278	ncr1841	1334	ncr1929	1390	ncr2012
1167	ncr1689	1223	ncr1763	1279	ncr1845	1335	ncr1930	1391	ncr2013
1168	ncr1690	1224	ncr1764	1280	ncr1847	1336	ncr1931	1392	ncr2015
1169	ncr1692	1225	ncr1765	1281	ncr1848	1337	ncr1932	1393	ncr2016
1170	ncr1693	1226	ncr1766	1282	ncr1850	1338	ncr1934	1394	ncr2019
1171	ncr1694	1227	ncr1767	1283	ncr1851	1339	ncr1935	1395	ncr2021
1172	ncr1695	1228	ncr1768	1284	ncr1855	1340	ncr1936	1396	ncr2025
1173	ncr1696	1229	ncr1771	1285	ncr1856	1341	ncr1937	1397	ncr2029
1174	ncr1697	1230	ncr1772	1286	ncr1858	1342	ncr1939	1398	ncr2031
1175	ncr1699	1231	ncr1774	1287	ncr1861	1343	ncr1940	1399	ncr2033
1176	ncr1700	1232	ncr1777	1288	ncr1862	1344	ncr1941	1400	ncr2035

Figure 6C – Continued

1401	ncr2036	1457	ncr2135	1513	ncr2213	1569	ncr2290	1625	ncr2382
1402	ncr2037	1458	ncr2136	1514	ncr2215	1570	ncr2291	1626	ncr2383
1403	ncr2039	1459	ncr2137	1515	ncr2217	1571	ncr2292	1627	ncr2384
1404	ncr2040	1460	ncr2138	1516	ncr2219	1572	ncr2293	1628	ncr2386
1405	ncr2042	1461	ncr2139	1517	ncr2220	1573	ncr2294	1629	ncr2387
1406	ncr2044	1462	ncr2140	1518	ncr2221	1574	ncr2296	1630	ncr2388
1407	ncr2045	1463	ncr2141	1519	ncr2223	1575	ncr2297	1631	ncr2389
1408	ncr2047	1464	ncr2144	1520	ncr2224	1576	ncr2298	1632	ncr2391
1409	ncr2048	1465	ncr2145	1521	ncr2225	1577	ncr2300	1633	ncr2392
1410	ncr2049	1466	ncr2146	1522	ncr2227	1578	ncr2301	1634	ncr2394
1411	ncr2050	1467	ncr2147	1523	ncr2228	1579	ncr2302	1635	ncr2395
1412	ncr2051	1468	ncr2148	1524	ncr2231	1580	ncr2304	1636	ncr2396
1413	ncr2052	1469	ncr2149	1525	ncr2232	1581	ncr2307	1637	ncr2397
1414	ncr2054	1470	ncr2152	1526	ncr2233	1582	ncr2308	1638	ncr2398
1415	ncr2055	1471	ncr2153	1527	ncr2234	1583	ncr2309	1639	ncr2400
1416	ncr2056	1472	ncr2156	1528	ncr2237	1584	ncr2312	1640	ncr2404
1417	ncr2058	1473	ncr2157	1529	ncr2239	1585	ncr2315	1641	ncr2407
1418	ncr2059	1474	ncr2158	1530	ncr2240	1586	ncr2318	1642	ncr2408
1419	ncr2060	1475	ncr2159	1531	ncr2241	1587	ncr2319	1643	ncr2409
1420	ncr2061	1476	ncr2160	1532	ncr2242	1588	ncr2321	1644	ncr2411
1421	ncr2062	1477	ncr2161	1533	ncr2243	1589	ncr2324	1645	ncr2413
1422	ncr2063	1478	ncr2163	1534	ncr2245	1590	ncr2328	1646	ncr2415
1423	ncr2066	1479	ncr2164	1535	ncr2248	1591	ncr2329	1647	ncr2417
1424	ncr2068	1480	ncr2165	1536	ncr2250	1592	ncr2330	1648	ncr2419
1425	ncr2070	1481	ncr2168	1537	ncr2251	1593	ncr2335	1649	ncr2421
1426	ncr2072	1482	ncr2170	1538	ncr2252	1594	ncr2337	1650	ncr2422
1427	ncr2073	1483	ncr2171	1539	ncr2253	1595	ncr2339	1651	ncr2423
1428	ncr2079	1484	ncr2172	1540	ncr2254	1596	ncr2341	1652	ncr2425
1429	ncr2081	1485	ncr2173	1541	ncr2255	1597	ncr2343	1653	ncr2426
1430	ncr2083	1486	ncr2174	1542	ncr2256	1598	ncr2344	1654	ncr2427
1431	ncr2084	1487	ncr2175	1543	ncr2257	1599	ncr2349	1655	ncr2428
1432	ncr2087	1488	ncr2176	1544	ncr2258	1600	ncr2350	1656	ncr2429
1433	ncr2088	1489	ncr2178	1545	ncr2260	1601	ncr2351	1657	ncr2430
1434	ncr2089	1490	ncr2179	1546	ncr2261	1602	ncr2352	1658	ncr2431
1435	ncr2091	1491	ncr2180	1547	ncr2262	1603	ncr2353	1659	ncr2432
1436	ncr2092	1492	ncr2181	1548	ncr2264	1604	ncr2354	1660	ncr2433
1437	ncr2094	1493	ncr2182	1549	ncr2265	1605	ncr2355	1661	ncr2434
1438	ncr2095	1494	ncr2186	1550	ncr2267	1606	ncr2358	1662	ncr2437
1439	ncr2096	1495	ncr2187	1551	ncr2268	1607	ncr2359	1663	ncr2440
1440	ncr2097	1496	ncr2188	1552	ncr2269	1608	ncr2360	1664	ncr2442
1441	ncr2098	1497	ncr2189	1553	ncr2270	1609	ncr2361	1665	ncr2443
1442	ncr2099	1498	ncr2190	1554	ncr2272	1610	ncr2363	1666	ncr2447
1443	ncr2100	1499	ncr2191	1555	ncr2273	1611	ncr2365	1667	ncr2448
1444	ncr2102	1500	ncr2193	1556	ncr2275	1612	ncr2366	1668	ncr2449
1445	ncr2104	1501	ncr2194	1557	ncr2277	1613	ncr2367	1669	ncr2450
1446	ncr2105	1502	ncr2195	1558	ncr2278	1614	ncr2368	1670	ncr2451
1447	ncr2110	1503	ncr2197	1559	ncr2280	1615	ncr2369	1671	ncr2452
1448	ncr2112	1504	ncr2198	1560	ncr2281	1616	ncr2370	1672	ncr2453
1449	ncr2115	1505	ncr2199	1561	ncr2282	1617	ncr2371	1673	ncr2454
1450	ncr2119	1506	ncr2201	1562	ncr2283	1618	ncr2373	1674	ncr2455
1451	ncr2123	1507	ncr2203	1563	ncr2284	1619	ncr2375	1675	ncr2456
1452	ncr2124	1508	ncr2205	1564	ncr2285	1620	ncr2376	1676	ncr2457
1453	ncr2125	1509	ncr2206	1565	ncr2286	1621	ncr2377	1677	ncr2458
1454	ncr2127	1510	ncr2207	1566	ncr2287	1622	ncr2379	1678	ncr2459
1455	ncr2129	1511	ncr2208	1567	ncr2288	1623	ncr2380	1679	ncr2460
1456	ncr2131	1512	ncr2212	1568	ncr2289	1624	ncr2381	1680	ncr2461



Figure 6C - Continued

1681	ncr2462	1737	ncr2539	1793	ncr2619	1849	ncr2708	1905	ncr2797
1682	ncr2463	1738	ncr2540	1794	ncr2620	1850	ncr2712	1906	ncr2798
1683	ncr2464	1739	ncr2541	1795	ncr2621	1851	ncr2713	1907	ncr2801
1684	ncr2465	1740	ncr2543	1796	ncr2623	1852	ncr2714	1908	ncr2803
1685	ncr2466	1741	ncr2544	1797	ncr2624	1853	ncr2715	1909	ncr2805
1686	ncr2467	1742	ncr2545	1798	ncr2628	1854	ncr2717	1910	ncr2807
1687	ncr2469	1743	ncr2547	1799	ncr2629	1855	ncr2721	1911	ncr2808
1688	ncr2470	1744	ncr2549	1800	ncr2631	1856	ncr2722	1912	ncr2809
1689	ncr2472	1745	ncr2550	1801	ncr2632	1857	ncr2723	1913	ncr2810
1690	ncr2473	1746	ncr2553	1802	ncr2634	1858	ncr2724	1914	ncr2811
1691	ncr2474	1747	ncr2554	1803	ncr2635	1859	ncr2725	1915	ncr2812
1692	ncr2475	1748	ncr2556	1804	ncr2636	1860	ncr2727	1916	ncr2813
1693	ncr2476	1749	ncr2559	1805	ncr2638	1861	ncr2728	1917	ncr2815
1694	ncr2477	1750	ncr2560	1806	ncr2639	1862	ncr2730	1918	ncr2817
1695	ncr2478	1751	ncr2561	1807	ncr2640	1863	ncr2731	1919	ncr2818
1696	ncr2480	1752	ncr2563	1808	ncr2642	1864	ncr2732	1920	ncr2820
1697	ncr2481	1753	ncr2564	1809	ncr2643	1865	ncr2733	1921	ncr2823
1698	ncr2482	1754	ncr2566	1810	ncr2644	1866	ncr2734	1922	ncr2824
1699	ncr2483	1755	ncr2567	1811	ncr2645	1867	ncr2735	1923	ncr2826
1700	ncr2484	1756	ncr2568	1812	ncr2646	1868	ncr2736	1924	ncr2827
1701	ncr2486	1757	ncr2569	1813	ncr2647	1869	ncr2737	1925	ncr2829
1702	ncr2487	1758	ncr2570	1814	ncr2648	1870	ncr2738	1926	ncr2830
1703	ncr2488	1759	ncr2571	1815	ncr2650	1871	ncr2739	1927	ncr2832
1704	ncr2489	1760	ncr2573	1816	ncr2652	1872	ncr2740	1928	ncr2833
1705	ncr2490	1761	ncr2574	1817	ncr2653	1873	ncr2743	1929	ncr2834
1706	ncr2492	1762	ncr2575	1818	ncr2654	1874	ncr2749	1930	ncr2835
1707	ncr2493	1763	ncr2576	1819	ncr2657	1875	ncr2750	1931	ncr2836
1708	ncr2494	1764	ncr2577	1820	ncr2658	1876	ncr2751	1932	ncr2837
1709	ncr2495	1765	ncr2579	1821	ncr2659	1877	ncr2752	1933	ncr2838
1710	ncr2496	1766	ncr2580	1822	ncr2660	1878	ncr2756	1934	ncr2840
1711	ncr2499	1767	ncr2581	1823	ncr2662	1879	ncr2757	1935	ncr2842
1712	ncr2501	1768	ncr2583	1824	ncr2663	1880	ncr2760	1936	ncr2844
1713	ncr2503	1769	ncr2584	1825	ncr2664	1881	ncr2761	1937	ncr2845
1714	ncr2505	1770	ncr2585	1826	ncr2665	1882	ncr2762	1938	ncr2847
1715	ncr2507	1771	ncr2586	1827	ncr2666	1883	ncr2763	1939	ncr2848
1716	ncr2508	1772	ncr2587	1828	ncr2668	1884	ncr2764	1940	ncr2850
1717	ncr2511	1773	ncr2588	1829	ncr2670	1885	ncr2765	1941	ncr2851
1718	ncr2512	1774	ncr2589	1830	ncr2671	1886	ncr2767	1942	ncr2853
1719	ncr2513	1775	ncr2590	1831	ncr2679	1887	ncr2768	1943	ncr2854
1720	ncr2516	1776	ncr2591	1832	ncr2681	1888	ncr2770	1944	ncr2855
1721	ncr2519	1777	ncr2594	1833	ncr2682	1889	ncr2771	1945	ncr2856
1722	ncr2520	1778	ncr2595	1834	ncr2684	1890	ncr2772	1946	ncr2857
1723	ncr2522	1779	ncr2596	1835	ncr2685	1891	ncr2773	1947	ncr2859
1724	ncr2523	1780	ncr2599	1836	ncr2687	1892	ncr2774	1948	ncr2861
1725	ncr2524	1781	ncr2600	1837	ncr2691	1893	ncr2775	1949	ncr2862
1726	ncr2525	1782	ncr2601	1838	ncr2692	1894	ncr2776	1950	ncr2863
1727	ncr2527	1783	ncr2603	1839	ncr2693	1895	ncr2778	1951	ncr2864
1728	ncr2528	1784	ncr2604	1840	ncr2695	1896	ncr2779	1952	ncr2865
1729	ncr2530	1785	ncr2605	1841	ncr2696	1897	ncr2780	1953	ncr2866
1730	ncr2531	1786	ncr2607	1842	ncr2697	1898	ncr2783	1954	ncr2867
1731	ncr2532	1787	ncr2608	1843	ncr2698	1899	ncr2784	1955	ncr2868
1732	ncr2533	1788	ncr2609	1844	ncr2700	1900	ncr2785	1956	ncr2869
1733	ncr2534	1789	ncr2612	1845	ncr2701	1901	ncr2789	1957	ncr2870
1734	ncr2535	1790	ncr2613	1846	ncr2703	1902	ncr2792	1958	ncr2872
1735	ncr2536	1791	ncr2616	1847	ncr2705	1903	ncr2793	1959	ncr2873
1736	ncr2538	1792	ncr2617	1848	ncr2707	1904	ncr2795	1960	ncr2874

Figure 6C – Continued

1961	ncr2876	2017	ncr2963	2073	ncr3037	2129	ncr3113	2185	ncr3195
1962	ncr2877	2018	ncr2964	2074	ncr3038	2130	ncr3115	2186	ncr3196
1963	ncr2878	2019	ncr2965	2075	ncr3039	2131	ncr3116	2187	ncr3197
1964	ncr2879	2020	ncr2966	2076	ncr3040	2132	ncr3117	2188	ncr3199
1965	ncr2880	2021	ncr2967	2077	ncr3041	2133	ncr3118	2189	ncr3201
1966	ncr2883	2022	ncr2968	2078	ncr3042	2134	ncr3119	2190	ncr3202
1967	ncr2885	2023	ncr2969	2079	ncr3044	2135	ncr3120	2191	ncr3203
1968	ncr2888	2024	ncr2971	2080	ncr3045	2136	ncr3121	2192	ncr3204
1969	ncr2892	2025	ncr2972	2081	ncr3046	2137	ncr3122	2193	ncr3206
1970	ncr2893	2026	ncr2973	2082	ncr3047	2138	ncr3123	2194	ncr3207
1971	ncr2895	2027	ncr2974	2083	ncr3048	2139	ncr3124	2195	ncr3208
1972	ncr2896	2028	ncr2975	2084	ncr3049	2140	ncr3125	2196	ncr3209
1973	ncr2898	2029	ncr2976	2085	ncr3050	2141	ncr3126	2197	ncr3210
1974	ncr2899	2030	ncr2977	2086	ncr3051	2142	ncr3128	2198	ncr3211
1975	ncr2901	2031	ncr2979	2087	ncr3052	2143	ncr3130	2199	ncr3213
1976	ncr2905	2032	ncr2982	2088	ncr3053	2144	ncr3135	2200	ncr3214
1977	ncr2906	2033	ncr2983	2089	ncr3055	2145	ncr3137	2201	ncr3215
1978	ncr2908	2034	ncr2984	2090	ncr3058	2146	ncr3138	2202	ncr3216
1979	ncr2909	2035	ncr2987	2091	ncr3059	2147	ncr3139	2203	ncr3217
1980	ncr2910	2036	ncr2990	2092	ncr3060	2148	ncr3140	2204	ncr3218
1981	ncr2911	2037	ncr2993	2093	ncr3061	2149	ncr3141	2205	ncr3219
1982	ncr2913	2038	ncr2994	2094	ncr3062	2150	ncr3143	2206	ncr3220
1983	ncr2916	2039	ncr2995	2095	ncr3063	2151	ncr3144	2207	ncr3223
1984	ncr2918	2040	ncr2996	2096	ncr3065	2152	ncr3145	2208	ncr3224
1985	ncr2920	2041	ncr2997	2097	ncr3066	2153	ncr3147	2209	ncr3225
1986	ncr2922	2042	ncr2999	2098	ncr3068	2154	ncr3148	2210	ncr3226
1987	ncr2923	2043	ncr3000	2099	ncr3070	2155	ncr3149	2211	ncr3229
1988	ncr2925	2044	ncr3001	2100	ncr3071	2156	ncr3150	2212	ncr3230
1989	ncr2926	2045	ncr3002	2101	ncr3072	2157	ncr3152	2213	ncr3231
1990	ncr2927	2046	ncr3003	2102	ncr3073	2158	ncr3154	2214	ncr3233
1991	ncr2928	2047	ncr3005	2103	ncr3075	2159	ncr3156	2215	ncr3234
1992	ncr2929	2048	ncr3007	2104	ncr3076	2160	ncr3158	2216	ncr3235
1993	ncr2930	2049	ncr3008	2105	ncr3077	2161	ncr3159	2217	ncr3236
1994	ncr2931	2050	ncr3012	2106	ncr3079	2162	ncr3160	2218	ncr3237
1995	ncr2932	2051	ncr3013	2107	ncr3080	2163	ncr3162	2219	ncr3238
1996	ncr2934	2052	ncr3015	2108	ncr3083	2164	ncr3163	2220	ncr3239
1997	ncr2935	2053	ncr3016	2109	ncr3084	2165	ncr3164	2221	ncr3240
1998	ncr2936	2054	ncr3017	2110	ncr3085	2166	ncr3165	2222	ncr3241
1999	ncr2937	2055	ncr3018	2111	ncr3087	2167	ncr3167	2223	ncr3242
2000	ncr2939	2056	ncr3019	2112	ncr3088	2168	ncr3168	2224	ncr3244
2001	ncr2940	2057	ncr3020	2113	ncr3090	2169	ncr3169	2225	ncr3245
2002	ncr2942	2058	ncr3021	2114	ncr3091	2170	ncr3171	2226	ncr3246
2003	ncr2944	2059	ncr3022	2115	ncr3092	2171	ncr3172	2227	ncr3248
2004	ncr2945	2060	ncr3023	2116	ncr3093	2172	ncr3177	2228	ncr3249
2005	ncr2946	2061	ncr3024	2117	ncr3096	2173	ncr3179	2229	ncr3250
2006	ncr2947	2062	ncr3026	2118	ncr3097	2174	ncr3181	2230	ncr3251
2007	ncr2949	2063	ncr3027	2119	ncr3100	2175	ncr3182	2231	ncr3252
2008	ncr2951	2064	ncr3028	2120	ncr3101	2176	ncr3184	2232	ncr3253
2009	ncr2952	2065	ncr3029	2121	ncr3103	2177	ncr3185	2233	ncr3254
2010	ncr2953	2066	ncr3030	2122	ncr3104	2178	ncr3186	2234	ncr3255
2011	ncr2954	2067	ncr3031	2123	ncr3105	2179	ncr3188	2235	ncr3257
2012	ncr2955	2068	ncr3032	2124	ncr3106	2180	ncr3189	2236	ncr3258
2013	ncr2956	2069	ncr3033	2125	ncr3107	2181	ncr3191	2237	ncr3259
2014	ncr2957	2070	ncr3034	2126	ncr3109	2182	ncr3192	2238	ncr3260
2015	ncr2958	2071	ncr3035	2127	ncr3110	2183	ncr3193	2239	ncr3262
2016	ncr2961	2072	ncr3036	2128	ncr3112	2184	ncr3194	2240	ncr3263

Figure 6C – Continued

2241	ncr3264	2297	ncr3360	2353	ncr3444	2409	ncr3530	2465	ncr3613
2242	ncr3267	2298	ncr3361	2354	ncr3445	2410	ncr3532	2466	ncr3614
2243	ncr3268	2299	ncr3363	2355	ncr3452	2411	ncr3534	2467	ncr3615
2244	ncr3271	2300	ncr3365	2356	ncr3454	2412	ncr3535	2468	ncr3616
2245	ncr3272	2301	ncr3368	2357	ncr3455	2413	ncr3537	2469	ncr3617
2246	ncr3276	2302	ncr3369	2358	ncr3456	2414	ncr3538	2470	ncr3619
2247	ncr3281	2303	ncr3370	2359	ncr3457	2415	ncr3539	2471	ncr3620
2248	ncr3284	2304	ncr3372	2360	ncr3459	2416	ncr3541	2472	ncr3622
2249	ncr3285	2305	ncr3373	2361	ncr3460	2417	ncr3544	2473	ncr3623
2250	ncr3286	2306	ncr3375	2362	ncr3464	2418	ncr3545	2474	ncr3624
2251	ncr3287	2307	ncr3376	2363	ncr3465	2419	ncr3549	2475	ncr3626
2252	ncr3288	2308	ncr3378	2364	ncr3467	2420	ncr3550	2476	ncr3627
2253	ncr3290	2309	ncr3379	2365	ncr3468	2421	ncr3551	2477	ncr3628
2254	ncr3291	2310	ncr3380	2366	ncr3469	2422	ncr3553	2478	ncr3630
2255	ncr3292	2311	ncr3381	2367	ncr3471	2423	ncr3556	2479	ncr3631
2256	ncr3295	2312	ncr3383	2368	ncr3473	2424	ncr3557	2480	ncr3635
2257	ncr3297	2313	ncr3384	2369	ncr3474	2425	ncr3559	2481	ncr3636
2258	ncr3299	2314	ncr3385	2370	ncr3475	2426	ncr3560	2482	ncr3640
2259	ncr3301	2315	ncr3386	2371	ncr3476	2427	ncr3564	2483	ncr3641
2260	ncr3302	2316	ncr3389	2372	ncr3477	2428	ncr3565	2484	ncr3642
2261	ncr3304	2317	ncr3391	2373	ncr3479	2429	ncr3566	2485	ncr3644
2262	ncr3305	2318	ncr3393	2374	ncr3482	2430	ncr3568	2486	ncr3646
2263	ncr3306	2319	ncr3394	2375	ncr3483	2431	ncr3569	2487	ncr3648
2264	ncr3308	2320	ncr3395	2376	ncr3485	2432	ncr3570	2488	ncr3649
2265	ncr3311	2321	ncr3396	2377	ncr3488	2433	ncr3571	2489	ncr3651
2266	ncr3312	2322	ncr3397	2378	ncr3489	2434	ncr3573	2490	ncr3652
2267	ncr3313	2323	ncr3398	2379	ncr3490	2435	ncr3575	2491	ncr3653
2268	ncr3314	2324	ncr3400	2380	ncr3491	2436	ncr3576	2492	ncr3655
2269	ncr3315	2325	ncr3401	2381	ncr3492	2437	ncr3577	2493	ncr3656
2270	ncr3316	2326	ncr3402	2382	ncr3493	2438	ncr3578	2494	ncr3657
2271	ncr3318	2327	ncr3404	2383	ncr3494	2439	ncr3579	2495	ncr3658
2272	ncr3319	2328	ncr3405	2384	ncr3495	2440	ncr3580	2496	ncr3660
2273	ncr3322	2329	ncr3407	2385	ncr3496	2441	ncr3581	2497	ncr3661
2274	ncr3324	2330	ncr3409	2386	ncr3498	2442	ncr3585	2498	ncr3664
2275	ncr3325	2331	ncr3411	2387	ncr3499	2443	ncr3587	2499	ncr3665
2276	ncr3326	2332	ncr3412	2388	ncr3500	2444	ncr3588	2500	ncr3667
2277	ncr3327	2333	ncr3414	2389	ncr3501	2445	ncr3589	2501	ncr3668
2278	ncr3328	2334	ncr3415	2390	ncr3502	2446	ncr3590	2502	ncr3669
2279	ncr3330	2335	ncr3416	2391	ncr3503	2447	ncr3591	2503	ncr3671
2280	ncr3332	2336	ncr3417	2392	ncr3506	2448	ncr3592	2504	ncr3673
2281	ncr3333	2337	ncr3419	2393	ncr3507	2449	ncr3594	2505	ncr3674
2282	ncr3338	2338	ncr3420	2394	ncr3508	2450	ncr3596	2506	ncr3675
2283	ncr3339	2339	ncr3421	2395	ncr3509	2451	ncr3597	2507	ncr3676
2284	ncr3340	2340	ncr3422	2396	ncr3510	2452	ncr3598	2508	ncr3677
2285	ncr3341	2341	ncr3423	2397	ncr3511	2453	ncr3599	2509	ncr3680
2286	ncr3343	2342	ncr3429	2398	ncr3516	2454	ncr3602	2510	ncr3682
2287	ncr3345	2343	ncr3431	2399	ncr3519	2455	ncr3603	2511	ncr3683
2288	ncr3346	2344	ncr3432	2400	ncr3520	2456	ncr3604	2512	ncr3684
2289	ncr3348	2345	ncr3433	2401	ncr3522	2457	ncr3605	2513	ncr3685
2290	ncr3349	2346	ncr3434	2402	ncr3523	2458	ncr3606	2514	ncr3686
2291	ncr3350	2347	ncr3435	2403	ncr3524	2459	ncr3607	2515	ncr3687
2292	ncr3352	2348	ncr3436	2404	ncr3525	2460	ncr3608	2516	ncr3688
2293	ncr3356	2349	ncr3437	2405	ncr3526	2461	ncr3609	2517	ncr3690
2294	ncr3357	2350	ncr3441	2406	ncr3527	2462	ncr3610	2518	ncr3691
2295	ncr3358	2351	ncr3442	2407	ncr3528	2463	ncr3611	2519	ncr3693
2296	ncr3359	2352	ncr3443	2408	ncr3529	2464	ncr3612	2520	ncr3694

Figure 6C - Continued

2521	ncr3696	2577	ncr3776	2633	ncr3849	2689	ncr3934	2745	ncr4010
2522	ncr3697	2578	ncr3777	2634	ncr3851	2690	ncr3935	2746	ncr4011
2523	ncr3698	2579	ncr3778	2635	ncr3852	2691	ncr3936	2747	ncr4012
2524	ncr3699	2580	ncr3779	2636	ncr3853	2692	ncr3937	2748	ncr4013
2525	ncr3700	2581	ncr3780	2637	ncr3854	2693	ncr3940	2749	ncr4015
2526	ncr3701	2582	ncr3781	2638	ncr3855	2694	ncr3941	2750	ncr4017
2527	ncr3702	2583	ncr3782	2639	ncr3856	2695	ncr3943	2751	ncr4018
2528	ncr3704	2584	ncr3783	2640	ncr3857	2696	ncr3944	2752	ncr4020
2529	ncr3705	2585	ncr3785	2641	ncr3858	2697	ncr3945	2753	ncr4021
2530	ncr3706	2586	ncr3787	2642	ncr3859	2698	ncr3948	2754	ncr4022
2531	ncr3707	2587	ncr3788	2643	ncr3861	2699	ncr3949	2755	ncr4025
2532	ncr3709	2588	ncr3789	2644	ncr3863	2700	ncr3950	2756	ncr4026
2533	ncr3710	2589	ncr3790	2645	ncr3864	2701	ncr3951	2757	ncr4029
2534	ncr3713	2590	ncr3791	2646	ncr3865	2702	ncr3952	2758	ncr4030
2535	ncr3714	2591	ncr3793	2647	ncr3868	2703	ncr3953	2759	ncr4032
2536	ncr3715	2592	ncr3794	2648	ncr3869	2704	ncr3954	2760	ncr4033
2537	ncr3716	2593	ncr3795	2649	ncr3871	2705	ncr3955	2761	ncr4035
2538	ncr3717	2594	ncr3797	2650	ncr3872	2706	ncr3956	2762	ncr4036
2539	ncr3718	2595	ncr3798	2651	ncr3874	2707	ncr3957	2763	ncr4037
2540	ncr3720	2596	ncr3799	2652	ncr3876	2708	ncr3959	2764	ncr4039
2541	ncr3722	2597	ncr3800	2653	ncr3877	2709	ncr3960	2765	ncr4040
2542	ncr3724	2598	ncr3803	2654	ncr3878	2710	ncr3961	2766	ncr4041
2543	ncr3725	2599	ncr3804	2655	ncr3879	2711	ncr3962	2767	ncr4045
2544	ncr3726	2600	ncr3805	2656	ncr3880	2712	ncr3963	2768	ncr4046
2545	ncr3727	2601	ncr3806	2657	ncr3882	2713	ncr3964	2769	ncr4048
2546	ncr3728	2602	ncr3807	2658	ncr3883	2714	ncr3965	2770	ncr4050
2547	ncr3729	2603	ncr3808	2659	ncr3885	2715	ncr3968	2771	ncr4051
2548	ncr3730	2604	ncr3809	2660	ncr3886	2716	ncr3970	2772	ncr4052
2549	ncr3731	2605	ncr3810	2661	ncr3887	2717	ncr3971	2773	ncr4053
2550	ncr3732	2606	ncr3811	2662	ncr3891	2718	ncr3972	2774	ncr4055
2551	ncr3733	2607	ncr3814	2663	ncr3893	2719	ncr3973	2775	ncr4056
2552	ncr3734	2608	ncr3815	2664	ncr3896	2720	ncr3974	2776	ncr4057
2553	ncr3735	2609	ncr3816	2665	ncr3899	2721	ncr3975	2777	ncr4059
2554	ncr3736	2610	ncr3818	2666	ncr3900	2722	ncr3976	2778	ncr4060
2555	ncr3738	2611	ncr3819	2667	ncr3901	2723	ncr3977	2779	ncr4061
2556	ncr3739	2612	ncr3820	2668	ncr3902	2724	ncr3978	2780	ncr4064
2557	ncr3740	2613	ncr3821	2669	ncr3903	2725	ncr3979	2781	ncr4066
2558	ncr3743	2614	ncr3824	2670	ncr3906	2726	ncr3983	2782	ncr4067
2559	ncr3744	2615	ncr3825	2671	ncr3907	2727	ncr3984	2783	ncr4068
2560	ncr3745	2616	ncr3826	2672	ncr3908	2728	ncr3986	2784	ncr4069
2561	ncr3748	2617	ncr3827	2673	ncr3909	2729	ncr3987	2785	ncr4070
2562	ncr3751	2618	ncr3828	2674	ncr3911	2730	ncr3988	2786	ncr4072
2563	ncr3752	2619	ncr3829	2675	ncr3912	2731	ncr3989	2787	ncr4073
2564	ncr3753	2620	ncr3830	2676	ncr3913	2732	ncr3990	2788	ncr4075
2565	ncr3755	2621	ncr3831	2677	ncr3914	2733	ncr3993	2789	ncr4076
2566	ncr3757	2622	ncr3832	2678	ncr3915	2734	ncr3995	2790	ncr4077
2567	ncr3761	2623	ncr3833	2679	ncr3916	2735	ncr3997	2791	ncr4078
2568	ncr3762	2624	ncr3834	2680	ncr3917	2736	ncr3998	2792	ncr4079
2569	ncr3763	2625	ncr3835	2681	ncr3918	2737	ncr3999	2793	ncr4080
2570	ncr3764	2626	ncr3837	2682	ncr3919	2738	ncr4000	2794	ncr4081
2571	ncr3765	2627	ncr3839	2683	ncr3920	2739	ncr4001	2795	ncr4082
2572	ncr3767	2628	ncr3840	2684	ncr3922	2740	ncr4003	2796	ncr4083
2573	ncr3768	2629	ncr3841	2685	ncr3925	2741	ncr4005	2797	ncr4085
2574	ncr3771	2630	ncr3843	2686	ncr3926	2742	ncr4006	2798	ncr4089
2575	ncr3772	2631	ncr3845	2687	ncr3927	2743	ncr4008	2799	ncr4090
2576	ncr3775	2632	ncr3847	2688	ncr3933	2744	ncr4009	2800	ncr4091

Figure 6C -- Continued

2801	ncr4092	2857	ncr4187	2913	ncr4371	2969	ncr4466	3025	ncr4586
2802	ncr4094	2858	ncr4188	2914	ncr4372	2970	ncr4474	3026	ncr4587
2803	ncr4095	2859	ncr4189	2915	ncr4373	2971	ncr4475	3027	ncr4589
2804	ncr4100	2860	ncr4190	2916	ncr4374	2972	ncr4477	3028	ncr4590
2805	ncr4101	2861	ncr4191	2917	ncr4375	2973	ncr4481	3029	ncr4591
2806	ncr4104	2862	ncr4192	2918	ncr4376	2974	ncr4484	3030	ncr4595
2807	ncr4107	2863	ncr4193	2919	ncr4377	2975	ncr4485	3031	ncr4596
2808	ncr4108	2864	ncr4194	2920	ncr4378	2976	ncr4486	3032	ncr4597
2809	ncr4109	2865	ncr4195	2921	ncr4380	2977	ncr4491	3033	ncr4598
2810	ncr4110	2866	ncr4198	2922	ncr4381	2978	ncr4503	3034	ncr4600
2811	ncr4111	2867	ncr4199	2923	ncr4382	2979	ncr4505	3035	ncr4601
2812	ncr4113	2868	ncr4200	2924	ncr4383	2980	ncr4512	3036	ncr4603
2813	ncr4114	2869	ncr4201	2925	ncr4384	2981	ncr4513	3037	ncr4604
2814	ncr4115	2870	ncr4202	2926	ncr4385	2982	ncr4515	3038	ncr4605
2815	ncr4116	2871	ncr4203	2927	ncr4388	2983	ncr4518	3039	ncr4606
2816	ncr4117	2872	ncr4205	2928	ncr4393	2984	ncr4519	3040	ncr4607
2817	ncr4118	2873	ncr4206	2929	ncr4396	2985	ncr4522	3041	ncr4608
2818	ncr4119	2874	ncr4208	2930	ncr4397	2986	ncr4523	3042	ncr4609
2819	ncr4120	2875	ncr4210	2931	ncr4398	2987	ncr4524	3043	ncr4612
2820	ncr4121	2876	ncr4212	2932	ncr4399	2988	ncr4525	3044	ncr4613
2821	ncr4122	2877	ncr4214	2933	ncr4400	2989	ncr4527	3045	ncr4615
2822	ncr4123	2878	ncr4215	2934	ncr4401	2990	ncr4528	3046	ncr4617
2823	ncr4124	2879	ncr4217	2935	ncr4402	2991	ncr4529	3047	ncr4619
2824	ncr4125	2880	ncr4218	2936	ncr4404	2992	ncr4530	3048	ncr4620
2825	ncr4126	2881	ncr4219	2937	ncr4405	2993	ncr4531	3049	ncr4621
2826	ncr4127	2882	ncr4220	2938	ncr4406	2994	ncr4533	3050	ncr4623
2827	ncr4128	2883	ncr4221	2939	ncr4407	2995	ncr4535	3051	ncr4625
2828	ncr4133	2884	ncr4222	2940	ncr4408	2996	ncr4536	3052	ncr4628
2829	ncr4135	2885	ncr4224	2941	ncr4409	2997	ncr4537	3053	ncr4629
2830	ncr4137	2886	ncr4323	2942	ncr4410	2998	ncr4538	3054	ncr4631
2831	ncr4139	2887	ncr4324	2943	ncr4412	2999	ncr4539	3055	ncr4632
2832	ncr4140	2888	ncr4325	2944	ncr4413	3000	ncr4540	3056	ncr4634
2833	ncr4141	2889	ncr4331	2945	ncr4414	3001	ncr4541	3057	ncr4635
2834	ncr4142	2890	ncr4332	2946	ncr4415	3002	ncr4543	3058	ncr4637
2835	ncr4146	2891	ncr4333	2947	ncr4416	3003	ncr4544	3059	ncr4639
2836	ncr4147	2892	ncr4335	2948	ncr4421	3004	ncr4545	3060	ncr4640
2837	ncr4148	2893	ncr4336	2949	ncr4423	3005	ncr4547	3061	ncr4641
2838	ncr4149	2894	ncr4337	2950	ncr4424	3006	ncr4548	3062	ncr4642
2839	ncr4153	2895	ncr4338	2951	ncr4432	3007	ncr4550	3063	ncr4643
2840	ncr4154	2896	ncr4339	2952	ncr4433	3008	ncr4551	3064	ncr4646
2841	ncr4157	2897	ncr4341	2953	ncr4434	3009	ncr4552	3065	ncr4647
2842	ncr4160	2898	ncr4347	2954	ncr4435	3010	ncr4553	3066	ncr4648
2843	ncr4162	2899	ncr4348	2955	ncr4436	3011	ncr4555	3067	ncr4652
2844	ncr4163	2900	ncr4349	2956	ncr4437	3012	ncr4566	3068	ncr4653
2845	ncr4168	2901	ncr4352	2957	ncr4443	3013	ncr4567	3069	ncr4654
2846	ncr4169	2902	ncr4354	2958	ncr4444	3014	ncr4568	3070	ncr4655
2847	ncr4171	2903	ncr4355	2959	ncr4445	3015	ncr4569	3071	ncr4656
2848	ncr4172	2904	ncr4357	2960	ncr4448	3016	ncr4572	3072	ncr4657
2849	ncr4175	2905	ncr4361	2961	ncr4449	3017	ncr4575	3073	ncr4658
2850	ncr4178	2906	ncr4363	2962	ncr4451	3018	ncr4577	3074	ncr4661
2851	ncr4180	2907	ncr4364	2963	ncr4452	3019	ncr4580	3075	ncr4662
2852	ncr4181	2908	ncr4365	2964	ncr4454	3020	ncr4581	3076	ncr4664
2853	ncr4182	2909	ncr4367	2965	ncr4455	3021	ncr4582	3077	ncr4666
2854	ncr4183	2910	ncr4368	2966	ncr4456	3022	ncr4583	3078	ncr4667
2855	ncr4184	2911	ncr4369	2967	ncr4460	3023	ncr4584	3079	ncr4668
2856	ncr4185	2912	ncr4370	2968	ncr4461	3024	ncr4585	3080	ncr4671

Figure 6C – Continued

3081	ncr4672	3137	ncr4750	3193	ncr4832	3249	ncr4928	3305	ncr5013
3082	ncr4673	3138	ncr4751	3194	ncr4833	3250	ncr4929	3306	ncr5015
3083	ncr4674	3139	ncr4754	3195	ncr4835	3251	ncr4930	3307	ncr5016
3084	ncr4675	3140	ncr4755	3196	ncr4836	3252	ncr4932	3308	ncr5017
3085	ncr4676	3141	ncr4757	3197	ncr4839	3253	ncr4933	3309	ncr5019
3086	ncr4677	3142	ncr4758	3198	ncr4840	3254	ncr4935	3310	ncr5023
3087	ncr4680	3143	ncr4759	3199	ncr4845	3255	ncr4936	3311	ncr5024
3088	ncr4681	3144	ncr4760	3200	ncr4846	3256	ncr4938	3312	ncr5025
3089	ncr4682	3145	ncr4762	3201	ncr4847	3257	ncr4939	3313	ncr5027
3090	ncr4683	3146	ncr4763	3202	ncr4851	3258	ncr4944	3314	ncr5031
3091	ncr4684	3147	ncr4764	3203	ncr4853	3259	ncr4946	3315	ncr5034
3092	ncr4685	3148	ncr4765	3204	ncr4854	3260	ncr4949	3316	ncr5036
3093	ncr4686	3149	ncr4766	3205	ncr4855	3261	ncr4951	3317	ncr5037
3094	ncr4687	3150	ncr4767	3206	ncr4856	3262	ncr4953	3318	ncr5039
3095	ncr4688	3151	ncr4768	3207	ncr4857	3263	ncr4954	3319	ncr5042
3096	ncr4689	3152	ncr4769	3208	ncr4858	3264	ncr4957	3320	ncr5043
3097	ncr4691	3153	ncr4770	3209	ncr4859	3265	ncr4958	3321	ncr5044
3098	ncr4692	3154	ncr4771	3210	ncr4860	3266	ncr4959	3322	ncr5046
3099	ncr4693	3155	ncr4772	3211	ncr4863	3267	ncr4960	3323	ncr5047
3100	ncr4694	3156	ncr4773	3212	ncr4864	3268	ncr4961	3324	ncr5048
3101	ncr4695	3157	ncr4774	3213	ncr4865	3269	ncr4964	3325	ncr5049
3102	ncr4696	3158	ncr4775	3214	ncr4866	3270	ncr4965	3326	ncr5050
3103	ncr4697	3159	ncr4776	3215	ncr4867	3271	ncr4966	3327	ncr5051
3104	ncr4698	3160	ncr4778	3216	ncr4870	3272	ncr4967	3328	ncr5052
3105	ncr4699	3161	ncr4779	3217	ncr4871	3273	ncr4968	3329	ncr5053
3106	ncr4700	3162	ncr4780	3218	ncr4873	3274	ncr4969	3330	ncr5055
3107	ncr4702	3163	ncr4781	3219	ncr4875	3275	ncr4970	3331	ncr5056
3108	ncr4704	3164	ncr4783	3220	ncr4876	3276	ncr4971	3332	ncr5057
3109	ncr4705	3165	ncr4784	3221	ncr4877	3277	ncr4972	3333	ncr5060
3110	ncr4708	3166	ncr4785	3222	ncr4878	3278	ncr4973	3334	ncr5061
3111	ncr4709	3167	ncr4786	3223	ncr4880	3279	ncr4974	3335	ncr5063
3112	ncr4712	3168	ncr4787	3224	ncr4881	3280	ncr4975	3336	ncr5064
3113	ncr4713	3169	ncr4788	3225	ncr4883	3281	ncr4976	3337	ncr5065
3114	ncr4716	3170	ncr4789	3226	ncr4884	3282	ncr4978	3338	ncr5066
3115	ncr4719	3171	ncr4790	3227	ncr4887	3283	ncr4979	3339	ncr5069
3116	ncr4720	3172	ncr4792	3228	ncr4888	3284	ncr4981	3340	ncr5070
3117	ncr4721	3173	ncr4793	3229	ncr4890	3285	ncr4982	3341	ncr5072
3118	ncr4722	3174	ncr4794	3230	ncr4892	3286	ncr4983	3342	ncr5073
3119	ncr4725	3175	ncr4795	3231	ncr4894	3287	ncr4984	3343	ncr5074
3120	ncr4727	3176	ncr4798	3232	ncr4895	3288	ncr4985	3344	ncr5077
3121	ncr4728	3177	ncr4799	3233	ncr4897	3289	ncr4986	3345	ncr5078
3122	ncr4730	3178	ncr4805	3234	ncr4900	3290	ncr4989	3346	ncr5079
3123	ncr4732	3179	ncr4808	3235	ncr4903	3291	ncr4992	3347	ncr5080
3124	ncr4733	3180	ncr4809	3236	ncr4907	3292	ncr4993	3348	ncr5081
3125	ncr4735	3181	ncr4812	3237	ncr4910	3293	ncr4995	3349	ncr5082
3126	ncr4737	3182	ncr4813	3238	ncr4911	3294	ncr4996	3350	ncr5083
3127	ncr4738	3183	ncr4814	3239	ncr4912	3295	ncr4997	3351	ncr5084
3128	ncr4739	3184	ncr4815	3240	ncr4913	3296	ncr4999	3352	ncr5086
3129	ncr4740	3185	ncr4816	3241	ncr4914	3297	ncr5001	3353	ncr5088
3130	ncr4742	3186	ncr4818	3242	ncr4915	3298	ncr5003	3354	ncr5089
3131	ncr4743	3187	ncr4821	3243	ncr4916	3299	ncr5005	3355	ncr5092
3132	ncr4745	3188	ncr4823	3244	ncr4917	3300	ncr5007	3356	ncr5093
3133	ncr4746	3189	ncr4824	3245	ncr4918	3301	ncr5008	3357	ncr5097
3134	ncr4747	3190	ncr4827	3246	ncr4920	3302	ncr5010	3358	ncr5099
3135	ncr4748	3191	ncr4829	3247	ncr4921	3303	ncr5011	3359	ncr5101
3136	ncr4749	3192	ncr4831	3248	ncr4925	3304	ncr5012	3360	ncr5104

Figure 6C – Continued

3361	ncr5105	3417	ncr5180	3473	ncr5258	3529	ncr5354	3585	ncr5432
3362	ncr5108	3418	ncr5182	3474	ncr5261	3530	ncr5355	3586	ncr5433
3363	ncr5109	3419	ncr5183	3475	ncr5262	3531	ncr5357	3587	ncr5435
3364	ncr5110	3420	ncr5184	3476	ncr5263	3532	ncr5358	3588	ncr5436
3365	ncr5111	3421	ncr5188	3477	ncr5264	3533	ncr5360	3589	ncr5437
3366	ncr5113	3422	ncr5189	3478	ncr5265	3534	ncr5361	3590	ncr5438
3367	ncr5115	3423	ncr5191	3479	ncr5266	3535	ncr5363	3591	ncr5440
3368	ncr5117	3424	ncr5192	3480	ncr5268	3536	ncr5364	3592	ncr5442
3369	ncr5120	3425	ncr5193	3481	ncr5269	3537	ncr5365	3593	ncr5444
3370	ncr5121	3426	ncr5195	3482	ncr5272	3538	ncr5368	3594	ncr5446
3371	ncr5122	3427	ncr5196	3483	ncr5273	3539	ncr5369	3595	ncr5450
3372	ncr5124	3428	ncr5197	3484	ncr5274	3540	ncr5372	3596	ncr5451
3373	ncr5125	3429	ncr5200	3485	ncr5276	3541	ncr5373	3597	ncr5453
3374	ncr5126	3430	ncr5201	3486	ncr5280	3542	ncr5374	3598	ncr5454
3375	ncr5127	3431	ncr5202	3487	ncr5283	3543	ncr5375	3599	ncr5455
3376	ncr5128	3432	ncr5205	3488	ncr5284	3544	ncr5376	3600	ncr5458
3377	ncr5130	3433	ncr5207	3489	ncr5285	3545	ncr5377	3601	ncr5459
3378	ncr5131	3434	ncr5208	3490	ncr5287	3546	ncr5380	3602	ncr5461
3379	ncr5132	3435	ncr5209	3491	ncr5288	3547	ncr5381	3603	ncr5462
3380	ncr5133	3436	ncr5210	3492	ncr5289	3548	ncr5383	3604	ncr5463
3381	ncr5136	3437	ncr5211	3493	ncr5291	3549	ncr5384	3605	ncr5464
3382	ncr5137	3438	ncr5212	3494	ncr5292	3550	ncr5385	3606	ncr5465
3383	ncr5138	3439	ncr5216	3495	ncr5293	3551	ncr5387	3607	ncr5466
3384	ncr5140	3440	ncr5218	3496	ncr5296	3552	ncr5388	3608	ncr5470
3385	ncr5142	3441	ncr5219	3497	ncr5297	3553	ncr5389	3609	ncr5471
3386	ncr5143	3442	ncr5220	3498	ncr5299	3554	ncr5392	3610	ncr5472
3387	ncr5145	3443	ncr5221	3499	ncr5300	3555	ncr5393	3611	ncr5473
3388	ncr5146	3444	ncr5222	3500	ncr5301	3556	ncr5394	3612	ncr5475
3389	ncr5147	3445	ncr5223	3501	ncr5303	3557	ncr5397	3613	ncr5476
3390	ncr5149	3446	ncr5224	3502	ncr5304	3558	ncr5399	3614	ncr5477
3391	ncr5150	3447	ncr5226	3503	ncr5305	3559	ncr5400	3615	ncr5478
3392	ncr5151	3448	ncr5227	3504	ncr5311	3560	ncr5401	3616	ncr5479
3393	ncr5152	3449	ncr5228	3505	ncr5312	3561	ncr5402	3617	ncr5481
3394	ncr5153	3450	ncr5229	3506	ncr5313	3562	ncr5403	3618	ncr5482
3395	ncr5154	3451	ncr5230	3507	ncr5316	3563	ncr5404	3619	ncr5484
3396	ncr5155	3452	ncr5232	3508	ncr5318	3564	ncr5405	3620	ncr5485
3397	ncr5156	3453	ncr5233	3509	ncr5320	3565	ncr5407	3621	ncr5488
3398	ncr5157	3454	ncr5234	3510	ncr5322	3566	ncr5408	3622	ncr5490
3399	ncr5158	3455	ncr5236	3511	ncr5323	3567	ncr5409	3623	ncr5491
3400	ncr5159	3456	ncr5237	3512	ncr5324	3568	ncr5410	3624	ncr5492
3401	ncr5160	3457	ncr5238	3513	ncr5325	3569	ncr5412	3625	ncr5493
3402	ncr5161	3458	ncr5240	3514	ncr5327	3570	ncr5414	3626	ncr5494
3403	ncr5163	3459	ncr5241	3515	ncr5328	3571	ncr5415	3627	ncr5495
3404	ncr5164	3460	ncr5242	3516	ncr5331	3572	ncr5416	3628	ncr5497
3405	ncr5166	3461	ncr5245	3517	ncr5333	3573	ncr5417	3629	ncr5499
3406	ncr5167	3462	ncr5246	3518	ncr5334	3574	ncr5420	3630	ncr5500
3407	ncr5168	3463	ncr5247	3519	ncr5335	3575	ncr5421	3631	ncr5501
3408	ncr5169	3464	ncr5248	3520	ncr5336	3576	ncr5423	3632	ncr5503
3409	ncr5171	3465	ncr5249	3521	ncr5338	3577	ncr5424	3633	ncr5505
3410	ncr5172	3466	ncr5251	3522	ncr5341	3578	ncr5425	3634	ncr5506
3411	ncr5173	3467	ncr5252	3523	ncr5342	3579	ncr5426	3635	ncr5507
3412	ncr5174	3468	ncr5253	3524	ncr5343	3580	ncr5427	3636	ncr5508
3413	ncr5176	3469	ncr5254	3525	ncr5345	3581	ncr5428	3637	ncr5509
3414	ncr5177	3470	ncr5255	3526	ncr5346	3582	ncr5429	3638	ncr5510
3415	ncr5178	3471	ncr5256	3527	ncr5349	3583	ncr5430	3639	ncr5512
3416	ncr5179	3472	ncr5257	3528	ncr5353	3584	ncr5431	3640	ncr5514

Figure 6C - Continued

3641	ncr5515	3697	ncr5591	3753	ncr5673	3809	ncr5756	3865	ncr5842
3642	ncr5516	3698	ncr5592	3754	ncr5675	3810	ncr5757	3866	ncr5843
3643	ncr5518	3699	ncr5594	3755	ncr5676	3811	ncr5758	3867	ncr5844
3644	ncr5519	3700	ncr5597	3756	ncr5677	3812	ncr5759	3868	ncr5846
3645	ncr5520	3701	ncr5599	3757	ncr5679	3813	ncr5760	3869	ncr5848
3646	ncr5521	3702	ncr5600	3758	ncr5681	3814	ncr5763	3870	ncr5850
3647	ncr5522	3703	ncr5601	3759	ncr5682	3815	ncr5764	3871	ncr5854
3648	ncr5523	3704	ncr5603	3760	ncr5683	3816	ncr5767	3872	ncr5856
3649	ncr5524	3705	ncr5604	3761	ncr5684	3817	ncr5768	3873	ncr5859
3650	ncr5525	3706	ncr5610	3762	ncr5689	3818	ncr5769	3874	ncr5860
3651	ncr5526	3707	ncr5612	3763	ncr5691	3819	ncr5771	3875	ncr5861
3652	ncr5527	3708	ncr5613	3764	ncr5692	3820	ncr5772	3876	ncr5863
3653	ncr5529	3709	ncr5614	3765	ncr5693	3821	ncr5776	3877	ncr5864
3654	ncr5530	3710	ncr5616	3766	ncr5695	3822	ncr5777	3878	ncr5865
3655	ncr5531	3711	ncr5617	3767	ncr5696	3823	ncr5779	3879	ncr5867
3656	ncr5532	3712	ncr5618	3768	ncr5697	3824	ncr5781	3880	ncr5871
3657	ncr5533	3713	ncr5620	3769	ncr5699	3825	ncr5783	3881	ncr5872
3658	ncr5534	3714	ncr5621	3770	ncr5700	3826	ncr5785	3882	ncr5873
3659	ncr5535	3715	ncr5622	3771	ncr5701	3827	ncr5787	3883	ncr5875
3660	ncr5536	3716	ncr5624	3772	ncr5702	3828	ncr5788	3884	ncr5876
3661	ncr5537	3717	ncr5625	3773	ncr5703	3829	ncr5789	3885	ncr5877
3662	ncr5538	3718	ncr5626	3774	ncr5704	3830	ncr5792	3886	ncr5879
3663	ncr5539	3719	ncr5628	3775	ncr5706	3831	ncr5793	3887	ncr5880
3664	ncr5540	3720	ncr5629	3776	ncr5707	3832	ncr5794	3888	ncr5881
3665	ncr5541	3721	ncr5630	3777	ncr5708	3833	ncr5795	3889	ncr5882
3666	ncr5542	3722	ncr5631	3778	ncr5709	3834	ncr5796	3890	ncr5884
3667	ncr5543	3723	ncr5632	3779	ncr5710	3835	ncr5797	3891	ncr5887
3668	ncr5544	3724	ncr5633	3780	ncr5711	3836	ncr5798	3892	ncr5888
3669	ncr5545	3725	ncr5635	3781	ncr5712	3837	ncr5800	3893	ncr5890
3670	ncr5546	3726	ncr5637	3782	ncr5713	3838	ncr5803	3894	ncr5892
3671	ncr5547	3727	ncr5639	3783	ncr5714	3839	ncr5804	3895	ncr5894
3672	ncr5549	3728	ncr5640	3784	ncr5715	3840	ncr5807	3896	ncr5896
3673	ncr5550	3729	ncr5641	3785	ncr5718	3841	ncr5808	3897	ncr5898
3674	ncr5551	3730	ncr5643	3786	ncr5719	3842	ncr5810	3898	ncr5899
3675	ncr5552	3731	ncr5644	3787	ncr5720	3843	ncr5811	3899	ncr5900
3676	ncr5553	3732	ncr5645	3788	ncr5721	3844	ncr5812	3900	ncr5901
3677	ncr5554	3733	ncr5646	3789	ncr5722	3845	ncr5814	3901	ncr5903
3678	ncr5555	3734	ncr5648	3790	ncr5723	3846	ncr5815	3902	ncr5904
3679	ncr5557	3735	ncr5649	3791	ncr5724	3847	ncr5816	3903	ncr5906
3680	ncr5558	3736	ncr5650	3792	ncr5725	3848	ncr5817	3904	ncr5908
3681	ncr5559	3737	ncr5651	3793	ncr5727	3849	ncr5818	3905	ncr5909
3682	ncr5560	3738	ncr5653	3794	ncr5729	3850	ncr5819	3906	ncr5911
3683	ncr5564	3739	ncr5654	3795	ncr5734	3851	ncr5820	3907	ncr5912
3684	ncr5566	3740	ncr5655	3796	ncr5736	3852	ncr5821	3908	ncr5913
3685	ncr5568	3741	ncr5657	3797	ncr5738	3853	ncr5822	3909	ncr5914
3686	ncr5570	3742	ncr5658	3798	ncr5740	3854	ncr5823	3910	ncr5915
3687	ncr5571	3743	ncr5659	3799	ncr5741	3855	ncr5825	3911	ncr5916
3688	ncr5572	3744	ncr5660	3800	ncr5742	3856	ncr5826	3912	ncr5917
3689	ncr5573	3745	ncr5661	3801	ncr5744	3857	ncr5828	3913	ncr5918
3690	ncr5575	3746	ncr5662	3802	ncr5745	3858	ncr5829	3914	ncr5919
3691	ncr5576	3747	ncr5663	3803	ncr5746	3859	ncr5830	3915	ncr5921
3692	ncr5583	3748	ncr5664	3804	ncr5750	3860	ncr5833	3916	ncr5923
3693	ncr5585	3749	ncr5667	3805	ncr5751	3861	ncr5835	3917	ncr5924
3694	ncr5586	3750	ncr5668	3806	ncr5752	3862	ncr5836	3918	ncr5925
3695	ncr5587	3751	ncr5671	3807	ncr5753	3863	ncr5838	3919	ncr5927
3696	ncr5588	3752	ncr5672	3808	ncr5755	3864	ncr5840	3920	ncr5928



Figure 6C – Continued

3921	ncr5931	3977	ncr6026	4033	ncr6109	4089	ncr6196	4145	ncr6279
3922	ncr5932	3978	ncr6028	4034	ncr6110	4090	ncr6197	4146	ncr6280
3923	ncr5934	3979	ncr6029	4035	ncr6111	4091	ncr6198	4147	ncr6283
3924	ncr5938	3980	ncr6030	4036	ncr6113	4092	ncr6200	4148	ncr6284
3925	ncr5939	3981	ncr6031	4037	ncr6114	4093	ncr6202	4149	ncr6285
3926	ncr5940	3982	ncr6033	4038	ncr6115	4094	ncr6203	4150	ncr6286
3927	ncr5941	3983	ncr6034	4039	ncr6116	4095	ncr6204	4151	ncr6287
3928	ncr5942	3984	ncr6035	4040	ncr6119	4096	ncr6205	4152	ncr6288
3929	ncr5943	3985	ncr6036	4041	ncr6120	4097	ncr6206	4153	ncr6289
3930	ncr5944	3986	ncr6037	4042	ncr6121	4098	ncr6207	4154	ncr6290
3931	ncr5945	3987	ncr6038	4043	ncr6122	4099	ncr6208	4155	ncr6291
3932	ncr5946	3988	ncr6040	4044	ncr6123	4100	ncr6209	4156	ncr6292
3933	ncr5947	3989	ncr6041	4045	ncr6125	4101	ncr6210	4157	ncr6293
3934	ncr5949	3990	ncr6043	4046	ncr6126	4102	ncr6211	4158	ncr6298
3935	ncr5950	3991	ncr6044	4047	ncr6127	4103	ncr6212	4159	ncr6301
3936	ncr5951	3992	ncr6045	4048	ncr6128	4104	ncr6213	4160	ncr6302
3937	ncr5952	3993	ncr6046	4049	ncr6130	4105	ncr6215	4161	ncr6306
3938	ncr5955	3994	ncr6047	4050	ncr6131	4106	ncr6216	4162	ncr6307
3939	ncr5957	3995	ncr6048	4051	ncr6132	4107	ncr6217	4163	ncr6308
3940	ncr5959	3996	ncr6051	4052	ncr6133	4108	ncr6220	4164	ncr6310
3941	ncr5960	3997	ncr6053	4053	ncr6135	4109	ncr6221	4165	ncr6311
3942	ncr5961	3998	ncr6056	4054	ncr6136	4110	ncr6223	4166	ncr6312
3943	ncr5963	3999	ncr6057	4055	ncr6137	4111	ncr6224	4167	ncr6315
3944	ncr5967	4000	ncr6059	4056	ncr6138	4112	ncr6225	4168	ncr6316
3945	ncr5969	4001	ncr6060	4057	ncr6140	4113	ncr6226	4169	ncr6317
3946	ncr5971	4002	ncr6061	4058	ncr6141	4114	ncr6227	4170	ncr6318
3947	ncr5972	4003	ncr6063	4059	ncr6142	4115	ncr6228	4171	ncr6320
3948	ncr5973	4004	ncr6064	4060	ncr6143	4116	ncr6232	4172	ncr6321
3949	ncr5975	4005	ncr6065	4061	ncr6144	4117	ncr6233	4173	ncr6322
3950	ncr5976	4006	ncr6067	4062	ncr6148	4118	ncr6235	4174	ncr6323
3951	ncr5977	4007	ncr6068	4063	ncr6152	4119	ncr6236	4175	ncr6324
3952	ncr5979	4008	ncr6071	4064	ncr6155	4120	ncr6237	4176	ncr6325
3953	ncr5981	4009	ncr6072	4065	ncr6157	4121	ncr6240	4177	ncr6326
3954	ncr5983	4010	ncr6073	4066	ncr6159	4122	ncr6242	4178	ncr6327
3955	ncr5984	4011	ncr6074	4067	ncr6160	4123	ncr6244	4179	ncr6328
3956	ncr5988	4012	ncr6076	4068	ncr6161	4124	ncr6245	4180	ncr6330
3957	ncr5989	4013	ncr6079	4069	ncr6163	4125	ncr6247	4181	ncr6331
3958	ncr5990	4014	ncr6080	4070	ncr6164	4126	ncr6252	4182	ncr6332
3959	ncr5992	4015	ncr6082	4071	ncr6165	4127	ncr6256	4183	ncr6334
3960	ncr5995	4016	ncr6083	4072	ncr6167	4128	ncr6257	4184	ncr6335
3961	ncr5999	4017	ncr6085	4073	ncr6168	4129	ncr6259	4185	ncr6336
3962	ncr6003	4018	ncr6086	4074	ncr6170	4130	ncr6260	4186	ncr6339
3963	ncr6004	4019	ncr6088	4075	ncr6176	4131	ncr6261	4187	ncr6343
3964	ncr6005	4020	ncr6091	4076	ncr6178	4132	ncr6262	4188	ncr6344
3965	ncr6007	4021	ncr6092	4077	ncr6179	4133	ncr6264	4189	ncr6345
3966	ncr6009	4022	ncr6093	4078	ncr6180	4134	ncr6265	4190	ncr6347
3967	ncr6010	4023	ncr6094	4079	ncr6182	4135	ncr6266	4191	ncr6353
3968	ncr6011	4024	ncr6095	4080	ncr6183	4136	ncr6268	4192	ncr6357
3969	ncr6012	4025	ncr6099	4081	ncr6184	4137	ncr6269	4193	ncr6360
3970	ncr6013	4026	ncr6100	4082	ncr6187	4138	ncr6272	4194	ncr6365
3971	ncr6016	4027	ncr6103	4083	ncr6188	4139	ncr6273	4195	ncr6368
3972	ncr6017	4028	ncr6104	4084	ncr6190	4140	ncr6274	4196	ncr6370
3973	ncr6019	4029	ncr6105	4085	ncr6192	4141	ncr6275	4197	ncr6372
3974	ncr6022	4030	ncr6106	4086	ncr6193	4142	ncr6276	4198	ncr6373
3975	ncr6023	4031	ncr6107	4087	ncr6194	4143	ncr6277	4199	ncr6375
3976	ncr6024	4032	ncr6108	4088	ncr6195	4144	ncr6278	4200	ncr6376

Figure 6C – Continued

4201	ncr6379	4257	ncr6560	4313	ncr6663	4369	ncr6753	4425	ncr6839
4202	ncr6381	4258	ncr6562	4314	ncr6664	4370	ncr6754	4426	ncr6841
4203	ncr6382	4259	ncr6563	4315	ncr6666	4371	ncr6755	4427	ncr6842
4204	ncr6383	4260	ncr6564	4316	ncr6669	4372	ncr6756	4428	ncr6843
4205	ncr6384	4261	ncr6567	4317	ncr6672	4373	ncr6757	4429	ncr6845
4206	ncr6385	4262	ncr6570	4318	ncr6673	4374	ncr6758	4430	ncr6847
4207	ncr6388	4263	ncr6571	4319	ncr6674	4375	ncr6759	4431	ncr6848
4208	ncr6389	4264	ncr6573	4320	ncr6675	4376	ncr6760	4432	ncr6850
4209	ncr6390	4265	ncr6575	4321	ncr6676	4377	ncr6764	4433	ncr6851
4210	ncr6391	4266	ncr6577	4322	ncr6677	4378	ncr6765	4434	ncr6852
4211	ncr6393	4267	ncr6578	4323	ncr6678	4379	ncr6767	4435	ncr6853
4212	ncr6394	4268	ncr6579	4324	ncr6679	4380	ncr6768	4436	ncr6854
4213	ncr6395	4269	ncr6581	4325	ncr6681	4381	ncr6769	4437	ncr6856
4214	ncr6396	4270	ncr6582	4326	ncr6682	4382	ncr6771	4438	ncr6858
4215	ncr6398	4271	ncr6584	4327	ncr6683	4383	ncr6772	4439	ncr6859
4216	ncr6399	4272	ncr6585	4328	ncr6684	4384	ncr6773	4440	ncr6860
4217	ncr6400	4273	ncr6586	4329	ncr6688	4385	ncr6774	4441	ncr6864
4218	ncr6401	4274	ncr6588	4330	ncr6690	4386	ncr6775	4442	ncr6866
4219	ncr6402	4275	ncr6593	4331	ncr6691	4387	ncr6776	4443	ncr6867
4220	ncr6403	4276	ncr6594	4332	ncr6693	4388	ncr6779	4444	ncr6868
4221	ncr6404	4277	ncr6595	4333	ncr6694	4389	ncr6780	4445	ncr6869
4222	ncr6405	4278	ncr6596	4334	ncr6695	4390	ncr6782	4446	ncr6870
4223	ncr6407	4279	ncr6597	4335	ncr6696	4391	ncr6786	4447	ncr6871
4224	ncr6408	4280	ncr6598	4336	ncr6697	4392	ncr6787	4448	ncr6873
4225	ncr6409	4281	ncr6601	4337	ncr6699	4393	ncr6788	4449	ncr6874
4226	ncr6410	4282	ncr6602	4338	ncr6700	4394	ncr6791	4450	ncr6875
4227	ncr6411	4283	ncr6603	4339	ncr6702	4395	ncr6792	4451	ncr6877
4228	ncr6412	4284	ncr6604	4340	ncr6703	4396	ncr6793	4452	ncr6878
4229	ncr6415	4285	ncr6606	4341	ncr6704	4397	ncr6797	4453	ncr6879
4230	ncr6416	4286	ncr6608	4342	ncr6705	4398	ncr6800	4454	ncr6880
4231	ncr6417	4287	ncr6609	4343	ncr6706	4399	ncr6801	4455	ncr6881
4232	ncr6419	4288	ncr6610	4344	ncr6709	4400	ncr6802	4456	ncr6882
4233	ncr6420	4289	ncr6612	4345	ncr6711	4401	ncr6803	4457	ncr6883
4234	ncr6422	4290	ncr6613	4346	ncr6714	4402	ncr6805	4458	ncr6884
4235	ncr6424	4291	ncr6614	4347	ncr6715	4403	ncr6806	4459	ncr6885
4236	ncr6425	4292	ncr6619	4348	ncr6716	4404	ncr6807	4460	ncr6886
4237	ncr6426	4293	ncr6624	4349	ncr6719	4405	ncr6809	4461	ncr6887
4238	ncr6427	4294	ncr6628	4350	ncr6723	4406	ncr6810	4462	ncr6888
4239	ncr6428	4295	ncr6631	4351	ncr6725	4407	ncr6811	4463	ncr6891
4240	ncr6429	4296	ncr6632	4352	ncr6729	4408	ncr6813	4464	ncr6892
4241	ncr6430	4297	ncr6633	4353	ncr6733	4409	ncr6814	4465	ncr6893
4242	ncr6431	4298	ncr6635	4354	ncr6734	4410	ncr6815	4466	ncr6894
4243	ncr6432	4299	ncr6637	4355	ncr6735	4411	ncr6816	4467	ncr6896
4244	ncr6533	4300	ncr6639	4356	ncr6736	4412	ncr6817	4468	ncr6897
4245	ncr6535	4301	ncr6640	4357	ncr6739	4413	ncr6818	4469	ncr6898
4246	ncr6537	4302	ncr6641	4358	ncr6740	4414	ncr6819	4470	ncr6899
4247	ncr6539	4303	ncr6644	4359	ncr6741	4415	ncr6820	4471	ncr6900
4248	ncr6540	4304	ncr6647	4360	ncr6743	4416	ncr6821	4472	ncr6901
4249	ncr6541	4305	ncr6649	4361	ncr6744	4417	ncr6824	4473	ncr6902
4250	ncr6543	4306	ncr6650	4362	ncr6745	4418	ncr6825	4474	ncr6903
4251	ncr6547	4307	ncr6651	4363	ncr6746	4419	ncr6826	4475	ncr6905
4252	ncr6548	4308	ncr6656	4364	ncr6747	4420	ncr6827	4476	ncr6907
4253	ncr6549	4309	ncr6657	4365	ncr6748	4421	ncr6831	4477	ncr6908
4254	ncr6552	4310	ncr6658	4366	ncr6749	4422	ncr6832	4478	ncr6909
4255	ncr6553	4311	ncr6659	4367	ncr6751	4423	ncr6836	4479	ncr6910
4256	ncr6557	4312	ncr6661	4368	ncr6752	4424	ncr6837	4480	ncr6911

Figure 6C – Continued

4481	ncr6912	4537	ncr7006	4593	ncr7091	4649	ncr7171	4705	ncr7255
4482	ncr6916	4538	ncr7007	4594	ncr7093	4650	ncr7172	4706	ncr7256
4483	ncr6917	4539	ncr7008	4595	ncr7095	4651	ncr7173	4707	ncr7257
4484	ncr6919	4540	ncr7013	4596	ncr7096	4652	ncr7175	4708	ncr7258
4485	ncr6920	4541	ncr7016	4597	ncr7097	4653	ncr7176	4709	ncr7259
4486	ncr6921	4542	ncr7017	4598	ncr7098	4654	ncr7177	4710	ncr7261
4487	ncr6923	4543	ncr7019	4599	ncr7099	4655	ncr7178	4711	ncr7262
4488	ncr6924	4544	ncr7020	4600	ncr7100	4656	ncr7180	4712	ncr7263
4489	ncr6925	4545	ncr7021	4601	ncr7102	4657	ncr7181	4713	ncr7265
4490	ncr6927	4546	ncr7023	4602	ncr7103	4658	ncr7182	4714	ncr7266
4491	ncr6928	4547	ncr7024	4603	ncr7104	4659	ncr7184	4715	ncr7267
4492	ncr6931	4548	ncr7025	4604	ncr7108	4660	ncr7185	4716	ncr7268
4493	ncr6932	4549	ncr7027	4605	ncr7109	4661	ncr7187	4717	ncr7270
4494	ncr6933	4550	ncr7028	4606	ncr7111	4662	ncr7188	4718	ncr7271
4495	ncr6937	4551	ncr7029	4607	ncr7112	4663	ncr7189	4719	ncr7272
4496	ncr6938	4552	ncr7031	4608	ncr7115	4664	ncr7190	4720	ncr7275
4497	ncr6939	4553	ncr7033	4609	ncr7116	4665	ncr7191	4721	ncr7276
4498	ncr6941	4554	ncr7035	4610	ncr7117	4666	ncr7192	4722	ncr7277
4499	ncr6943	4555	ncr7036	4611	ncr7119	4667	ncr7193	4723	ncr7279
4500	ncr6944	4556	ncr7037	4612	ncr7124	4668	ncr7194	4724	ncr7280
4501	ncr6945	4557	ncr7039	4613	ncr7125	4669	ncr7196	4725	ncr7282
4502	ncr6946	4558	ncr7041	4614	ncr7127	4670	ncr7197	4726	ncr7284
4503	ncr6947	4559	ncr7042	4615	ncr7128	4671	ncr7198	4727	ncr7286
4504	ncr6948	4560	ncr7046	4616	ncr7129	4672	ncr7199	4728	ncr7287
4505	ncr6951	4561	ncr7047	4617	ncr7131	4673	ncr7204	4729	ncr7288
4506	ncr6952	4562	ncr7048	4618	ncr7132	4674	ncr7205	4730	ncr7289
4507	ncr6956	4563	ncr7050	4619	ncr7133	4675	ncr7207	4731	ncr7290
4508	ncr6957	4564	ncr7051	4620	ncr7136	4676	ncr7211	4732	ncr7291
4509	ncr6958	4565	ncr7052	4621	ncr7137	4677	ncr7212	4733	ncr7292
4510	ncr6959	4566	ncr7053	4622	ncr7138	4678	ncr7215	4734	ncr7293
4511	ncr6961	4567	ncr7055	4623	ncr7139	4679	ncr7216	4735	ncr7294
4512	ncr6962	4568	ncr7056	4624	ncr7140	4680	ncr7219	4736	ncr7295
4513	ncr6964	4569	ncr7058	4625	ncr7141	4681	ncr7220	4737	ncr7296
4514	ncr6966	4570	ncr7062	4626	ncr7142	4682	ncr7223	4738	ncr7299
4515	ncr6967	4571	ncr7063	4627	ncr7143	4683	ncr7224	4739	ncr7301
4516	ncr6968	4572	ncr7064	4628	ncr7144	4684	ncr7226	4740	ncr7303
4517	ncr6970	4573	ncr7066	4629	ncr7147	4685	ncr7227	4741	ncr7307
4518	ncr6974	4574	ncr7067	4630	ncr7148	4686	ncr7229	4742	ncr7308
4519	ncr6975	4575	ncr7069	4631	ncr7149	4687	ncr7231	4743	ncr7309
4520	ncr6977	4576	ncr7070	4632	ncr7150	4688	ncr7232	4744	ncr7312
4521	ncr6979	4577	ncr7071	4633	ncr7151	4689	ncr7234	4745	ncr7313
4522	ncr6981	4578	ncr7072	4634	ncr7152	4690	ncr7236	4746	ncr7317
4523	ncr6983	4579	ncr7074	4635	ncr7155	4691	ncr7238	4747	ncr7322
4524	ncr6986	4580	ncr7075	4636	ncr7156	4692	ncr7239	4748	ncr7324
4525	ncr6987	4581	ncr7077	4637	ncr7157	4693	ncr7240	4749	ncr7325
4526	ncr6988	4582	ncr7078	4638	ncr7158	4694	ncr7242	4750	ncr7326
4527	ncr6991	4583	ncr7079	4639	ncr7159	4695	ncr7243	4751	ncr7328
4528	ncr6994	4584	ncr7080	4640	ncr7160	4696	ncr7244	4752	ncr7330
4529	ncr6995	4585	ncr7081	4641	ncr7161	4697	ncr7245	4753	ncr7331
4530	ncr6997	4586	ncr7082	4642	ncr7162	4698	ncr7247	4754	ncr7332
4531	ncr6999	4587	ncr7083	4643	ncr7163	4699	ncr7248	4755	ncr7333
4532	ncr7000	4588	ncr7085	4644	ncr7164	4700	ncr7249	4756	ncr7334
4533	ncr7001	4589	ncr7086	4645	ncr7165	4701	ncr7250	4757	ncr7338
4534	ncr7002	4590	ncr7088	4646	ncr7166	4702	ncr7251	4758	ncr7339
4535	ncr7003	4591	ncr7089	4647	ncr7168	4703	ncr7253	4759	ncr7341
4536	ncr7005	4592	ncr7090	4648	ncr7170	4704	ncr7254	4760	ncr7342

Figure 6C – Continued

4761	ncr7343	4817	ncr7423	4873	ncr7512	4929	ncr7588	4985	ncr7676
4762	ncr7344	4818	ncr7425	4874	ncr7513	4930	ncr7589	4986	ncr7678
4763	ncr7345	4819	ncr7426	4875	ncr7514	4931	ncr7591	4987	ncr7679
4764	ncr7347	4820	ncr7428	4876	ncr7515	4932	ncr7595	4988	ncr7680
4765	ncr7348	4821	ncr7429	4877	ncr7516	4933	ncr7596	4989	ncr7682
4766	ncr7349	4822	ncr7430	4878	ncr7517	4934	ncr7598	4990	ncr7683
4767	ncr7350	4823	ncr7431	4879	ncr7519	4935	ncr7600	4991	ncr7684
4768	ncr7351	4824	ncr7432	4880	ncr7520	4936	ncr7601	4992	ncr7688
4769	ncr7352	4825	ncr7434	4881	ncr7522	4937	ncr7603	4993	ncr7691
4770	ncr7353	4826	ncr7438	4882	ncr7523	4938	ncr7605	4994	ncr7693
4771	ncr7354	4827	ncr7448	4883	ncr7525	4939	ncr7606	4995	ncr7694
4772	ncr7355	4828	ncr7449	4884	ncr7528	4940	ncr7607	4996	ncr7695
4773	ncr7356	4829	ncr7450	4885	ncr7530	4941	ncr7609	4997	ncr7696
4774	ncr7357	4830	ncr7451	4886	ncr7531	4942	ncr7617	4998	ncr7697
4775	ncr7359	4831	ncr7452	4887	ncr7532	4943	ncr7618	4999	ncr7699
4776	ncr7360	4832	ncr7453	4888	ncr7533	4944	ncr7619	5000	ncr7703
4777	ncr7361	4833	ncr7454	4889	ncr7534	4945	ncr7621	5001	ncr7705
4778	ncr7364	4834	ncr7455	4890	ncr7535	4946	ncr7622	5002	ncr7707
4779	ncr7365	4835	ncr7456	4891	ncr7537	4947	ncr7623	5003	ncr7708
4780	ncr7366	4836	ncr7458	4892	ncr7538	4948	ncr7624	5004	ncr7709
4781	ncr7368	4837	ncr7460	4893	ncr7539	4949	ncr7626	5005	ncr7711
4782	ncr7369	4838	ncr7463	4894	ncr7540	4950	ncr7628	5006	ncr7712
4783	ncr7371	4839	ncr7464	4895	ncr7541	4951	ncr7629	5007	ncr7713
4784	ncr7372	4840	ncr7465	4896	ncr7542	4952	ncr7630	5008	ncr7714
4785	ncr7373	4841	ncr7467	4897	ncr7543	4953	ncr7631	5009	ncr7715
4786	ncr7374	4842	ncr7468	4898	ncr7544	4954	ncr7632	5010	ncr7716
4787	ncr7375	4843	ncr7470	4899	ncr7545	4955	ncr7633	5011	ncr7719
4788	ncr7376	4844	ncr7471	4900	ncr7546	4956	ncr7634	5012	ncr7720
4789	ncr7377	4845	ncr7472	4901	ncr7547	4957	ncr7636	5013	ncr7722
4790	ncr7378	4846	ncr7473	4902	ncr7548	4958	ncr7637	5014	ncr7724
4791	ncr7379	4847	ncr7475	4903	ncr7549	4959	ncr7638	5015	ncr7725
4792	ncr7381	4848	ncr7476	4904	ncr7551	4960	ncr7639	5016	ncr7726
4793	ncr7382	4849	ncr7477	4905	ncr7555	4961	ncr7642	5017	ncr7727
4794	ncr7383	4850	ncr7478	4906	ncr7556	4962	ncr7643	5018	ncr7728
4795	ncr7385	4851	ncr7479	4907	ncr7557	4963	ncr7644	5019	ncr7729
4796	ncr7386	4852	ncr7480	4908	ncr7558	4964	ncr7646	5020	ncr7730
4797	ncr7387	4853	ncr7481	4909	ncr7559	4965	ncr7647	5021	ncr7731
4798	ncr7388	4854	ncr7482	4910	ncr7560	4966	ncr7648	5022	ncr7732
4799	ncr7389	4855	ncr7483	4911	ncr7561	4967	ncr7649	5023	ncr7733
4800	ncr7390	4856	ncr7484	4912	ncr7563	4968	ncr7651	5024	ncr7734
4801	ncr7392	4857	ncr7485	4913	ncr7564	4969	ncr7652	5025	ncr7735
4802	ncr7395	4858	ncr7486	4914	ncr7565	4970	ncr7655	5026	ncr7736
4803	ncr7396	4859	ncr7487	4915	ncr7567	4971	ncr7657	5027	ncr7737
4804	ncr7397	4860	ncr7488	4916	ncr7568	4972	ncr7661	5028	ncr7739
4805	ncr7399	4861	ncr7493	4917	ncr7569	4973	ncr7663	5029	ncr7740
4806	ncr7400	4862	ncr7495	4918	ncr7570	4974	ncr7664	5030	ncr7741
4807	ncr7407	4863	ncr7499	4919	ncr7571	4975	ncr7665	5031	ncr7742
4808	ncr7408	4864	ncr7500	4920	ncr7573	4976	ncr7666	5032	ncr7744
4809	ncr7409	4865	ncr7501	4921	ncr7574	4977	ncr7668	5033	ncr7746
4810	ncr7411	4866	ncr7503	4922	ncr7576	4978	ncr7669	5034	ncr7747
4811	ncr7412	4867	ncr7504	4923	ncr7577	4979	ncr7670	5035	ncr7748
4812	ncr7413	4868	ncr7505	4924	ncr7578	4980	ncr7671	5036	ncr7749
4813	ncr7417	4869	ncr7507	4925	ncr7579	4981	ncr7672	5037	ncr7750
4814	ncr7418	4870	ncr7508	4926	ncr7580	4982	ncr7673	5038	ncr7751
4815	ncr7419	4871	ncr7509	4927	ncr7581	4983	ncr7674	5039	ncr7752
4816	ncr7420	4872	ncr7511	4928	ncr7582	4984	ncr7675	5040	ncr7753

Figure 6C – Continued

5041	ncr7754	5097	ncr7834	5153	ncr7917	5209	ncr7995	5265	ncr8080
5042	ncr7755	5098	ncr7835	5154	ncr7918	5210	ncr7996	5266	ncr8081
5043	ncr7756	5099	ncr7836	5155	ncr7919	5211	ncr7999	5267	ncr8083
5044	ncr7757	5100	ncr7837	5156	ncr7921	5212	ncr8001	5268	ncr8085
5045	ncr7758	5101	ncr7838	5157	ncr7922	5213	ncr8003	5269	ncr8086
5046	ncr7759	5102	ncr7839	5158	ncr7923	5214	ncr8005	5270	ncr8089
5047	ncr7760	5103	ncr7840	5159	ncr7924	5215	ncr8007	5271	ncr8091
5048	ncr7762	5104	ncr7841	5160	ncr7925	5216	ncr8008	5272	ncr8092
5049	ncr7763	5105	ncr7843	5161	ncr7926	5217	ncr8012	5273	ncr8093
5050	ncr7764	5106	ncr7844	5162	ncr7927	5218	ncr8013	5274	ncr8095
5051	ncr7765	5107	ncr7845	5163	ncr7929	5219	ncr8015	5275	ncr8096
5052	ncr7767	5108	ncr7846	5164	ncr7931	5220	ncr8017	5276	ncr8097
5053	ncr7768	5109	ncr7848	5165	ncr7932	5221	ncr8018	5277	ncr8099
5054	ncr7769	5110	ncr7849	5166	ncr7933	5222	ncr8019	5278	ncr8100
5055	ncr7770	5111	ncr7850	5167	ncr7934	5223	ncr8020	5279	ncr8101
5056	ncr7771	5112	ncr7852	5168	ncr7936	5224	ncr8024	5280	ncr8103
5057	ncr7772	5113	ncr7853	5169	ncr7937	5225	ncr8025	5281	ncr8107
5058	ncr7773	5114	ncr7854	5170	ncr7938	5226	ncr8026	5282	ncr8108
5059	ncr7774	5115	ncr7855	5171	ncr7941	5227	ncr8027	5283	ncr8109
5060	ncr7775	5116	ncr7857	5172	ncr7943	5228	ncr8030	5284	ncr8110
5061	ncr7776	5117	ncr7859	5173	ncr7944	5229	ncr8031	5285	ncr8111
5062	ncr7778	5118	ncr7862	5174	ncr7945	5230	ncr8032	5286	ncr8112
5063	ncr7780	5119	ncr7863	5175	ncr7946	5231	ncr8033	5287	ncr8113
5064	ncr7783	5120	ncr7864	5176	ncr7947	5232	ncr8034	5288	ncr8114
5065	ncr7784	5121	ncr7869	5177	ncr7948	5233	ncr8035	5289	ncr8115
5066	ncr7787	5122	ncr7871	5178	ncr7949	5234	ncr8036	5290	ncr8116
5067	ncr7788	5123	ncr7875	5179	ncr7951	5235	ncr8038	5291	ncr8118
5068	ncr7789	5124	ncr7876	5180	ncr7952	5236	ncr8039	5292	ncr8119
5069	ncr7791	5125	ncr7877	5181	ncr7953	5237	ncr8040	5293	ncr8121
5070	ncr7792	5126	ncr7879	5182	ncr7955	5238	ncr8041	5294	ncr8122
5071	ncr7793	5127	ncr7880	5183	ncr7956	5239	ncr8042	5295	ncr8124
5072	ncr7795	5128	ncr7881	5184	ncr7957	5240	ncr8044	5296	ncr8125
5073	ncr7796	5129	ncr7883	5185	ncr7958	5241	ncr8046	5297	ncr8126
5074	ncr7797	5130	ncr7884	5186	ncr7959	5242	ncr8047	5298	ncr8127
5075	ncr7799	5131	ncr7885	5187	ncr7960	5243	ncr8049	5299	ncr8128
5076	ncr7801	5132	ncr7888	5188	ncr7961	5244	ncr8052	5300	ncr8129
5077	ncr7802	5133	ncr7889	5189	ncr7962	5245	ncr8053	5301	ncr8130
5078	ncr7803	5134	ncr7891	5190	ncr7964	5246	ncr8054	5302	ncr8131
5079	ncr7805	5135	ncr7892	5191	ncr7965	5247	ncr8055	5303	ncr8132
5080	ncr7808	5136	ncr7893	5192	ncr7966	5248	ncr8056	5304	ncr8133
5081	ncr7809	5137	ncr7895	5193	ncr7967	5249	ncr8058	5305	ncr8134
5082	ncr7810	5138	ncr7896	5194	ncr7968	5250	ncr8059	5306	ncr8137
5083	ncr7812	5139	ncr7897	5195	ncr7971	5251	ncr8060	5307	ncr8138
5084	ncr7813	5140	ncr7900	5196	ncr7973	5252	ncr8061	5308	ncr8139
5085	ncr7815	5141	ncr7901	5197	ncr7975	5253	ncr8062	5309	ncr8141
5086	ncr7816	5142	ncr7903	5198	ncr7976	5254	ncr8063	5310	ncr8142
5087	ncr7818	5143	ncr7904	5199	ncr7979	5255	ncr8064	5311	ncr8144
5088	ncr7819	5144	ncr7905	5200	ncr7983	5256	ncr8067	5312	ncr8146
5089	ncr7820	5145	ncr7906	5201	ncr7984	5257	ncr8068	5313	ncr8147
5090	ncr7823	5146	ncr7907	5202	ncr7985	5258	ncr8069	5314	ncr8148
5091	ncr7824	5147	ncr7908	5203	ncr7987	5259	ncr8071	5315	ncr8149
5092	ncr7826	5148	ncr7909	5204	ncr7988	5260	ncr8073	5316	ncr8150
5093	ncr7827	5149	ncr7910	5205	ncr7989	5261	ncr8075	5317	ncr8151
5094	ncr7828	5150	ncr7912	5206	ncr7991	5262	ncr8076	5318	ncr8152
5095	ncr7829	5151	ncr7914	5207	ncr7992	5263	ncr8077	5319	ncr8153
5096	ncr7831	5152	ncr7915	5208	ncr7994	5264	ncr8079	5320	ncr8154

Figure 6C -- Continued

5321	ncr8156	5377	ncr8239	5433	ncr8322	5489	ncr8414	5545	ncr8495
5322	ncr8157	5378	ncr8241	5434	ncr8324	5490	ncr8415	5546	ncr8498
5323	ncr8158	5379	ncr8242	5435	ncr8326	5491	ncr8416	5547	ncr8499
5324	ncr8160	5380	ncr8243	5436	ncr8328	5492	ncr8418	5548	ncr8500
5325	ncr8164	5381	ncr8244	5437	ncr8329	5493	ncr8419	5549	ncr8503
5326	ncr8166	5382	ncr8245	5438	ncr8330	5494	ncr8420	5550	ncr8504
5327	ncr8167	5383	ncr8247	5439	ncr8331	5495	ncr8422	5551	ncr8507
5328	ncr8169	5384	ncr8248	5440	ncr8335	5496	ncr8423	5552	ncr8508
5329	ncr8171	5385	ncr8249	5441	ncr8336	5497	ncr8424	5553	ncr8509
5330	ncr8172	5386	ncr8250	5442	ncr8337	5498	ncr8426	5554	ncr8511
5331	ncr8173	5387	ncr8251	5443	ncr8340	5499	ncr8429	5555	ncr8512
5332	ncr8174	5388	ncr8252	5444	ncr8341	5500	ncr8431	5556	ncr8514
5333	ncr8175	5389	ncr8253	5445	ncr8342	5501	ncr8432	5557	ncr8516
5334	ncr8176	5390	ncr8254	5446	ncr8343	5502	ncr8433	5558	ncr8517
5335	ncr8177	5391	ncr8256	5447	ncr8346	5503	ncr8434	5559	ncr8519
5336	ncr8180	5392	ncr8259	5448	ncr8347	5504	ncr8436	5560	ncr8521
5337	ncr8181	5393	ncr8260	5449	ncr8348	5505	ncr8437	5561	ncr8522
5338	ncr8182	5394	ncr8261	5450	ncr8349	5506	ncr8438	5562	ncr8523
5339	ncr8183	5395	ncr8263	5451	ncr8350	5507	ncr8439	5563	ncr8524
5340	ncr8184	5396	ncr8267	5452	ncr8351	5508	ncr8440	5564	ncr8527
5341	ncr8186	5397	ncr8268	5453	ncr8352	5509	ncr8441	5565	ncr8528
5342	ncr8187	5398	ncr8272	5454	ncr8355	5510	ncr8442	5566	ncr8529
5343	ncr8188	5399	ncr8273	5455	ncr8356	5511	ncr8443	5567	ncr8530
5344	ncr8189	5400	ncr8275	5456	ncr8357	5512	ncr8444	5568	ncr8532
5345	ncr8191	5401	ncr8276	5457	ncr8360	5513	ncr8447	5569	ncr8535
5346	ncr8192	5402	ncr8277	5458	ncr8361	5514	ncr8448	5570	ncr8536
5347	ncr8193	5403	ncr8280	5459	ncr8363	5515	ncr8451	5571	ncr8537
5348	ncr8197	5404	ncr8281	5460	ncr8364	5516	ncr8452	5572	ncr8538
5349	ncr8198	5405	ncr8282	5461	ncr8367	5517	ncr8453	5573	ncr8539
5350	ncr8199	5406	ncr8284	5462	ncr8368	5518	ncr8456	5574	ncr8540
5351	ncr8200	5407	ncr8287	5463	ncr8372	5519	ncr8459	5575	ncr8542
5352	ncr8202	5408	ncr8288	5464	ncr8373	5520	ncr8463	5576	ncr8543
5353	ncr8203	5409	ncr8289	5465	ncr8375	5521	ncr8464	5577	ncr8544
5354	ncr8207	5410	ncr8290	5466	ncr8376	5522	ncr8467	5578	ncr8546
5355	ncr8208	5411	ncr8291	5467	ncr8377	5523	ncr8468	5579	ncr8547
5356	ncr8210	5412	ncr8292	5468	ncr8378	5524	ncr8469	5580	ncr8548
5357	ncr8211	5413	ncr8293	5469	ncr8381	5525	ncr8471	5581	ncr8551
5358	ncr8212	5414	ncr8294	5470	ncr8386	5526	ncr8472	5582	ncr8555
5359	ncr8215	5415	ncr8295	5471	ncr8390	5527	ncr8473	5583	ncr8556
5360	ncr8216	5416	ncr8296	5472	ncr8392	5528	ncr8475	5584	ncr8560
5361	ncr8219	5417	ncr8299	5473	ncr8394	5529	ncr8476	5585	ncr8563
5362	ncr8220	5418	ncr8300	5474	ncr8395	5530	ncr8477	5586	ncr8565
5363	ncr8221	5419	ncr8301	5475	ncr8396	5531	ncr8479	5587	ncr8568
5364	ncr8224	5420	ncr8302	5476	ncr8397	5532	ncr8481	5588	ncr8569
5365	ncr8225	5421	ncr8303	5477	ncr8398	5533	ncr8482	5589	ncr8572
5366	ncr8226	5422	ncr8304	5478	ncr8399	5534	ncr8483	5590	ncr8573
5367	ncr8227	5423	ncr8305	5479	ncr8400	5535	ncr8484	5591	ncr8575
5368	ncr8228	5424	ncr8309	5480	ncr8401	5536	ncr8485	5592	ncr8578
5369	ncr8230	5425	ncr8310	5481	ncr8402	5537	ncr8486	5593	ncr8579
5370	ncr8231	5426	ncr8311	5482	ncr8404	5538	ncr8487	5594	ncr8584
5371	ncr8232	5427	ncr8313	5483	ncr8405	5539	ncr8488	5595	ncr8588
5372	ncr8233	5428	ncr8314	5484	ncr8406	5540	ncr8490	5596	ncr8589
5373	ncr8234	5429	ncr8316	5485	ncr8407	5541	ncr8491	5597	ncr8593
5374	ncr8235	5430	ncr8317	5486	ncr8409	5542	ncr8492	5598	ncr8594
5375	ncr8236	5431	ncr8318	5487	ncr8411	5543	ncr8493	5599	ncr8595
5376	ncr8237	5432	ncr8320	5488	ncr8413	5544	ncr8494	5600	ncr8596

Figure 6C - Continued

5601	ncr8597	5657	ncr8687	5713	ncr8769	5769	ncr8852	5825	ncr8922
5602	ncr8598	5658	ncr8688	5714	ncr8770	5770	ncr8853	5826	ncr8923
5603	ncr8599	5659	ncr8689	5715	ncr8775	5771	ncr8855	5827	ncr8924
5604	ncr8601	5660	ncr8692	5716	ncr8776	5772	ncr8856	5828	ncr8926
5605	ncr8602	5661	ncr8693	5717	ncr8779	5773	ncr8857	5829	ncr8928
5606	ncr8603	5662	ncr8694	5718	ncr8780	5774	ncr8858	5830	ncr8932
5607	ncr8606	5663	ncr8695	5719	ncr8782	5775	ncr8859	5831	ncr8933
5608	ncr8607	5664	ncr8698	5720	ncr8784	5776	ncr8860	5832	ncr8935
5609	ncr8609	5665	ncr8699	5721	ncr8785	5777	ncr8861	5833	ncr8936
5610	ncr8610	5666	ncr8701	5722	ncr8787	5778	ncr8863	5834	ncr8937
5611	ncr8611	5667	ncr8702	5723	ncr8790	5779	ncr8865	5835	ncr8939
5612	ncr8612	5668	ncr8703	5724	ncr8791	5780	ncr8866	5836	ncr8940
5613	ncr8613	5669	ncr8704	5725	ncr8792	5781	ncr8867	5837	ncr8941
5614	ncr8615	5670	ncr8705	5726	ncr8793	5782	ncr8868	5838	ncr8944
5615	ncr8616	5671	ncr8706	5727	ncr8794	5783	ncr8869	5839	ncr8945
5616	ncr8619	5672	ncr8707	5728	ncr8795	5784	ncr8870	5840	ncr8949
5617	ncr8620	5673	ncr8708	5729	ncr8796	5785	ncr8871	5841	ncr8951
5618	ncr8621	5674	ncr8709	5730	ncr8797	5786	ncr8872	5842	ncr8952
5619	ncr8622	5675	ncr8710	5731	ncr8798	5787	ncr8874	5843	ncr8953
5620	ncr8623	5676	ncr8711	5732	ncr8799	5788	ncr8876	5844	ncr8954
5621	ncr8624	5677	ncr8712	5733	ncr8801	5789	ncr8877	5845	ncr8959
5622	ncr8627	5678	ncr8713	5734	ncr8802	5790	ncr8878	5846	ncr8960
5623	ncr8628	5679	ncr8714	5735	ncr8803	5791	ncr8879	5847	ncr8961
5624	ncr8629	5680	ncr8715	5736	ncr8804	5792	ncr8882	5848	ncr8962
5625	ncr8630	5681	ncr8716	5737	ncr8805	5793	ncr8883	5849	ncr8963
5626	ncr8631	5682	ncr8717	5738	ncr8808	5794	ncr8884	5850	ncr8964
5627	ncr8633	5683	ncr8719	5739	ncr8809	5795	ncr8885	5851	ncr8966
5628	ncr8634	5684	ncr8720	5740	ncr8811	5796	ncr8886	5852	ncr8967
5629	ncr8635	5685	ncr8721	5741	ncr8813	5797	ncr8887	5853	ncr8971
5630	ncr8636	5686	ncr8723	5742	ncr8814	5798	ncr8889	5854	ncr8973
5631	ncr8637	5687	ncr8724	5743	ncr8815	5799	ncr8890	5855	ncr8974
5632	ncr8639	5688	ncr8725	5744	ncr8817	5800	ncr8891	5856	ncr8975
5633	ncr8640	5689	ncr8726	5745	ncr8818	5801	ncr8892	5857	ncr8976
5634	ncr8645	5690	ncr8727	5746	ncr8819	5802	ncr8893	5858	ncr8977
5635	ncr8647	5691	ncr8728	5747	ncr8820	5803	ncr8895	5859	ncr8978
5636	ncr8648	5692	ncr8730	5748	ncr8821	5804	ncr8896	5860	ncr8981
5637	ncr8649	5693	ncr8732	5749	ncr8823	5805	ncr8898	5861	ncr8982
5638	ncr8651	5694	ncr8733	5750	ncr8824	5806	ncr8899	5862	ncr8983
5639	ncr8652	5695	ncr8734	5751	ncr8826	5807	ncr8900	5863	ncr8984
5640	ncr8655	5696	ncr8735	5752	ncr8827	5808	ncr8901	5864	ncr8985
5641	ncr8659	5697	ncr8736	5753	ncr8828	5809	ncr8902	5865	ncr8986
5642	ncr8660	5698	ncr8739	5754	ncr8829	5810	ncr8904	5866	ncr8987
5643	ncr8663	5699	ncr8741	5755	ncr8831	5811	ncr8905	5867	ncr8988
5644	ncr8665	5700	ncr8743	5756	ncr8835	5812	ncr8906	5868	ncr8989
5645	ncr8666	5701	ncr8749	5757	ncr8836	5813	ncr8908	5869	ncr8990
5646	ncr8667	5702	ncr8751	5758	ncr8839	5814	ncr8909	5870	ncr8991
5647	ncr8668	5703	ncr8752	5759	ncr8840	5815	ncr8910	5871	ncr8992
5648	ncr8669	5704	ncr8756	5760	ncr8841	5816	ncr8911	5872	ncr8993
5649	ncr8671	5705	ncr8757	5761	ncr8843	5817	ncr8912	5873	ncr8994
5650	ncr8672	5706	ncr8759	5762	ncr8844	5818	ncr8913	5874	ncr8995
5651	ncr8677	5707	ncr8760	5763	ncr8845	5819	ncr8914	5875	ncr8997
5652	ncr8678	5708	ncr8761	5764	ncr8846	5820	ncr8917	5876	ncr8998
5653	ncr8680	5709	ncr8762	5765	ncr8847	5821	ncr8918	5877	ncr9000
5654	ncr8684	5710	ncr8763	5766	ncr8848	5822	ncr8919	5878	ncr9001
5655	ncr8685	5711	ncr8764	5767	ncr8849	5823	ncr8920	5879	ncr9002
5656	ncr8686	5712	ncr8767	5768	ncr8851	5824	ncr8921	5880	ncr9003

Figure 6C - Continued

5881	ncr9004	5937	ncr9103	5993	ncr9186	6049	ncr9356	6105	ncr9436
5882	ncr9005	5938	ncr9105	5994	ncr9191	6050	ncr9359	6106	ncr9439
5883	ncr9008	5939	ncr9107	5995	ncr9193	6051	ncr9360	6107	ncr9440
5884	ncr9010	5940	ncr9108	5996	ncr9195	6052	ncr9361	6108	ncr9441
5885	ncr9011	5941	ncr9109	5997	ncr9199	6053	ncr9362	6109	ncr9442
5886	ncr9012	5942	ncr9110	5998	ncr9200	6054	ncr9363	6110	ncr9446
5887	ncr9015	5943	ncr9111	5999	ncr9201	6055	ncr9364	6111	ncr9448
5888	ncr9016	5944	ncr9112	6000	ncr9202	6056	ncr9365	6112	ncr9450
5889	ncr9018	5945	ncr9113	6001	ncr9203	6057	ncr9366	6113	ncr9453
5890	ncr9019	5946	ncr9114	6002	ncr9204	6058	ncr9368	6114	ncr9454
5891	ncr9020	5947	ncr9115	6003	ncr9206	6059	ncr9369	6115	ncr9456
5892	ncr9022	5948	ncr9116	6004	ncr9208	6060	ncr9370	6116	ncr9458
5893	ncr9023	5949	ncr9117	6005	ncr9209	6061	ncr9371	6117	ncr9459
5894	ncr9024	5950	ncr9118	6006	ncr9211	6062	ncr9372	6118	ncr9460
5895	ncr9027	5951	ncr9119	6007	ncr9214	6063	ncr9373	6119	ncr9461
5896	ncr9031	5952	ncr9120	6008	ncr9215	6064	ncr9375	6120	ncr9462
5897	ncr9032	5953	ncr9123	6009	ncr9274	6065	ncr9376	6121	ncr9463
5898	ncr9033	5954	ncr9124	6010	ncr9282	6066	ncr9377	6122	ncr9464
5899	ncr9035	5955	ncr9125	6011	ncr9289	6067	ncr9378	6123	ncr9465
5900	ncr9036	5956	ncr9127	6012	ncr9297	6068	ncr9379	6124	ncr9466
5901	ncr9038	5957	ncr9129	6013	ncr9298	6069	ncr9381	6125	ncr9469
5902	ncr9039	5958	ncr9132	6014	ncr9299	6070	ncr9382	6126	ncr9470
5903	ncr9040	5959	ncr9133	6015	ncr9304	6071	ncr9383	6127	ncr9472
5904	ncr9044	5960	ncr9135	6016	ncr9305	6072	ncr9384	6128	ncr9473
5905	ncr9047	5961	ncr9136	6017	ncr9307	6073	ncr9385	6129	ncr9475
5906	ncr9049	5962	ncr9137	6018	ncr9308	6074	ncr9386	6130	ncr9476
5907	ncr9050	5963	ncr9140	6019	ncr9310	6075	ncr9388	6131	ncr9477
5908	ncr9052	5964	ncr9141	6020	ncr9312	6076	ncr9389	6132	ncr9478
5909	ncr9053	5965	ncr9142	6021	ncr9313	6077	ncr9390	6133	ncr9479
5910	ncr9055	5966	ncr9147	6022	ncr9314	6078	ncr9391	6134	ncr9480
5911	ncr9056	5967	ncr9148	6023	ncr9316	6079	ncr9392	6135	ncr9481
5912	ncr9057	5968	ncr9149	6024	ncr9319	6080	ncr9393	6136	ncr9483
5913	ncr9059	5969	ncr9152	6025	ncr9320	6081	ncr9395	6137	ncr9485
5914	ncr9060	5970	ncr9153	6026	ncr9321	6082	ncr9396	6138	ncr9486
5915	ncr9061	5971	ncr9154	6027	ncr9323	6083	ncr9398	6139	ncr9487
5916	ncr9063	5972	ncr9155	6028	ncr9324	6084	ncr9400	6140	ncr9489
5917	ncr9064	5973	ncr9156	6029	ncr9325	6085	ncr9401	6141	ncr9491
5918	ncr9066	5974	ncr9157	6030	ncr9326	6086	ncr9403	6142	ncr9492
5919	ncr9070	5975	ncr9159	6031	ncr9327	6087	ncr9404	6143	ncr9493
5920	ncr9071	5976	ncr9160	6032	ncr9328	6088	ncr9405	6144	ncr9495
5921	ncr9075	5977	ncr9162	6033	ncr9331	6089	ncr9407	6145	ncr9496
5922	ncr9076	5978	ncr9163	6034	ncr9332	6090	ncr9408	6146	ncr9497
5923	ncr9079	5979	ncr9164	6035	ncr9336	6091	ncr9413	6147	ncr9498
5924	ncr9081	5980	ncr9165	6036	ncr9337	6092	ncr9415	6148	ncr9499
5925	ncr9082	5981	ncr9166	6037	ncr9339	6093	ncr9416	6149	ncr9500
5926	ncr9085	5982	ncr9167	6038	ncr9340	6094	ncr9419	6150	ncr9501
5927	ncr9086	5983	ncr9168	6039	ncr9341	6095	ncr9420	6151	ncr9502
5928	ncr9088	5984	ncr9169	6040	ncr9343	6096	ncr9421	6152	ncr9503
5929	ncr9090	5985	ncr9170	6041	ncr9344	6097	ncr9422	6153	ncr9504
5930	ncr9092	5986	ncr9171	6042	ncr9346	6098	ncr9424	6154	ncr9505
5931	ncr9094	5987	ncr9173	6043	ncr9347	6099	ncr9425	6155	ncr9507
5932	ncr9095	5988	ncr9174	6044	ncr9348	6100	ncr9429	6156	ncr9508
5933	ncr9096	5989	ncr9175	6045	ncr9349	6101	ncr9431	6157	ncr9509
5934	ncr9098	5990	ncr9177	6046	ncr9350	6102	ncr9432	6158	ncr9511
5935	ncr9101	5991	ncr9178	6047	ncr9351	6103	ncr9433	6159	ncr9515
5936	ncr9102	5992	ncr9179	6048	ncr9352	6104	ncr9435	6160	ncr9516



Figure 6C - Continued

6161	ncr9517	6217	ncr9587	6273	ncr9676	6329	ncr9765	6385	ncr9851
6162	ncr9519	6218	ncr9589	6274	ncr9679	6330	ncr9766	6386	ncr9852
6163	ncr9520	6219	ncr9590	6275	ncr9680	6331	ncr9767	6387	ncr9853
6164	ncr9521	6220	ncr9591	6276	ncr9681	6332	ncr9768	6388	ncr9854
6165	ncr9523	6221	ncr9592	6277	ncr9682	6333	ncr9770	6389	ncr9855
6166	ncr9524	6222	ncr9593	6278	ncr9684	6334	ncr9771	6390	ncr9856
6167	ncr9525	6223	ncr9594	6279	ncr9685	6335	ncr9772	6391	ncr9857
6168	ncr9527	6224	ncr9595	6280	ncr9686	6336	ncr9773	6392	ncr9861
6169	ncr9528	6225	ncr9596	6281	ncr9687	6337	ncr9775	6393	ncr9862
6170	ncr9529	6226	ncr9597	6282	ncr9690	6338	ncr9776	6394	ncr9863
6171	ncr9530	6227	ncr9598	6283	ncr9693	6339	ncr9778	6395	ncr9864
6172	ncr9533	6228	ncr9599	6284	ncr9695	6340	ncr9779	6396	ncr9865
6173	ncr9535	6229	ncr9600	6285	ncr9699	6341	ncr9781	6397	ncr9869
6174	ncr9537	6230	ncr9603	6286	ncr9700	6342	ncr9782	6398	ncr9870
6175	ncr9538	6231	ncr9605	6287	ncr9703	6343	ncr9783	6399	ncr9871
6176	ncr9539	6232	ncr9607	6288	ncr9704	6344	ncr9784	6400	ncr9872
6177	ncr9540	6233	ncr9608	6289	ncr9705	6345	ncr9785	6401	ncr9875
6178	ncr9541	6234	ncr9612	6290	ncr9707	6346	ncr9786	6402	ncr9877
6179	ncr9542	6235	ncr9616	6291	ncr9708	6347	ncr9787	6403	ncr9880
6180	ncr9543	6236	ncr9619	6292	ncr9711	6348	ncr9789	6404	ncr9881
6181	ncr9544	6237	ncr9620	6293	ncr9712	6349	ncr9790	6405	ncr9883
6182	ncr9546	6238	ncr9621	6294	ncr9713	6350	ncr9791	6406	ncr9886
6183	ncr9547	6239	ncr9623	6295	ncr9715	6351	ncr9792	6407	ncr9891
6184	ncr9548	6240	ncr9624	6296	ncr9716	6352	ncr9796	6408	ncr9893
6185	ncr9549	6241	ncr9625	6297	ncr9717	6353	ncr9797	6409	ncr9896
6186	ncr9550	6242	ncr9626	6298	ncr9719	6354	ncr9799	6410	ncr9897
6187	ncr9551	6243	ncr9627	6299	ncr9721	6355	ncr9801	6411	ncr9899
6188	ncr9552	6244	ncr9629	6300	ncr9722	6356	ncr9803	6412	ncr9901
6189	ncr9553	6245	ncr9631	6301	ncr9723	6357	ncr9808	6413	ncr9903
6190	ncr9554	6246	ncr9632	6302	ncr9724	6358	ncr9809	6414	ncr9904
6191	ncr9555	6247	ncr9634	6303	ncr9725	6359	ncr9811	6415	ncr9909
6192	ncr9556	6248	ncr9635	6304	ncr9728	6360	ncr9813	6416	ncr9919
6193	ncr9557	6249	ncr9639	6305	ncr9730	6361	ncr9816	6417	ncr9921
6194	ncr9558	6250	ncr9640	6306	ncr9731	6362	ncr9818	6418	ncr9923
6195	ncr9560	6251	ncr9643	6307	ncr9732	6363	ncr9820	6419	ncr9924
6196	ncr9561	6252	ncr9644	6308	ncr9736	6364	ncr9821	6420	ncr9925
6197	ncr9562	6253	ncr9645	6309	ncr9741	6365	ncr9823	6421	ncr9926
6198	ncr9563	6254	ncr9646	6310	ncr9742	6366	ncr9824	6422	ncr9927
6199	ncr9564	6255	ncr9647	6311	ncr9743	6367	ncr9826	6423	ncr9930
6200	ncr9565	6256	ncr9648	6312	ncr9744	6368	ncr9828	6424	ncr9933
6201	ncr9566	6257	ncr9649	6313	ncr9745	6369	ncr9829	6425	ncr9934
6202	ncr9568	6258	ncr9650	6314	ncr9746	6370	ncr9831	6426	ncr9935
6203	ncr9569	6259	ncr9651	6315	ncr9747	6371	ncr9832	6427	ncr9936
6204	ncr9572	6260	ncr9652	6316	ncr9750	6372	ncr9834	6428	ncr9938
6205	ncr9573	6261	ncr9655	6317	ncr9751	6373	ncr9836	6429	ncr9939
6206	ncr9574	6262	ncr9658	6318	ncr9753	6374	ncr9837	6430	ncr9940
6207	ncr9576	6263	ncr9659	6319	ncr9754	6375	ncr9838	6431	ncr9941
6208	ncr9577	6264	ncr9660	6320	ncr9755	6376	ncr9839	6432	ncr9942
6209	ncr9578	6265	ncr9661	6321	ncr9756	6377	ncr9840	6433	ncr9944
6210	ncr9579	6266	ncr9662	6322	ncr9757	6378	ncr9842	6434	ncr9945
6211	ncr9580	6267	ncr9664	6323	ncr9758	6379	ncr9843	6435	ncr9947
6212	ncr9581	6268	ncr9665	6324	ncr9759	6380	ncr9844	6436	ncr9948
6213	ncr9582	6269	ncr9666	6325	ncr9760	6381	ncr9846	6437	ncr9949
6214	ncr9583	6270	ncr9668	6326	ncr9761	6382	ncr9848	6438	ncr9950
6215	ncr9584	6271	ncr9673	6327	ncr9763	6383	ncr9849	6439	ncr9951
6216	ncr9585	6272	ncr9674	6328	ncr9764	6384	ncr9850	6440	ncr9952

Figure 6C – Continued

6441	ncr9954	6497	ncrb0051	6553	ncrb0138	6609	ncrb0213	6665	ncrb0307
6442	ncr9955	6498	ncrb0054	6554	ncrb0139	6610	ncrb0215	6666	ncrb0308
6443	ncr9956	6499	ncrb0055	6555	ncrb0140	6611	ncrb0216	6667	ncrb0309
6444	ncr9957	6500	ncrb0057	6556	ncrb0142	6612	ncrb0217	6668	ncrb0311
6445	ncr9958	6501	ncrb0058	6557	ncrb0143	6613	ncrb0218	6669	ncrb0313
6446	ncr9961	6502	ncrb0059	6558	ncrb0145	6614	ncrb0220	6670	ncrb0316
6447	ncr9962	6503	ncrb0060	6559	ncrb0146	6615	ncrb0223	6671	ncrb0317
6448	ncr9963	6504	ncrb0061	6560	ncrb0148	6616	ncrb0226	6672	ncrb0319
6449	ncr9964	6505	ncrb0062	6561	ncrb0149	6617	ncrb0227	6673	ncrb0321
6450	ncr9965	6506	ncrb0063	6562	ncrb0150	6618	ncrb0229	6674	ncrb0323
6451	ncr9969	6507	ncrb0064	6563	ncrb0151	6619	ncrb0230	6675	ncrb0324
6452	ncr9971	6508	ncrb0066	6564	ncrb0152	6620	ncrb0231	6676	ncrb0326
6453	ncr9973	6509	ncrb0069	6565	ncrb0153	6621	ncrb0232	6677	ncrb0327
6454	ncr9974	6510	ncrb0072	6566	ncrb0154	6622	ncrb0234	6678	ncrb0328
6455	ncr9975	6511	ncrb0074	6567	ncrb0156	6623	ncrb0235	6679	ncrb0330
6456	ncr9976	6512	ncrb0075	6568	ncrb0157	6624	ncrb0240	6680	ncrb0331
6457	ncr9977	6513	ncrb0076	6569	ncrb0158	6625	ncrb0242	6681	ncrb0332
6458	ncr9979	6514	ncrb0077	6570	ncrb0159	6626	ncrb0243	6682	ncrb0333
6459	ncr9980	6515	ncrb0078	6571	ncrb0160	6627	ncrb0245	6683	ncrb0334
6460	ncr9981	6516	ncrb0083	6572	ncrb0162	6628	ncrb0246	6684	ncrb0335
6461	ncr9982	6517	ncrb0085	6573	ncrb0163	6629	ncrb0247	6685	ncrb0336
6462	ncr9983	6518	ncrb0086	6574	ncrb0164	6630	ncrb0250	6686	ncrb0337
6463	ncr9984	6519	ncrb0087	6575	ncrb0165	6631	ncrb0253	6687	ncrb0338
6464	ncrb0004	6520	ncrb0088	6576	ncrb0166	6632	ncrb0254	6688	ncrb0339
6465	ncrb0005	6521	ncrb0089	6577	ncrb0167	6633	ncrb0256	6689	ncrb0340
6466	ncrb0008	6522	ncrb0090	6578	ncrb0169	6634	ncrb0257	6690	ncrb0341
6467	ncrb0012	6523	ncrb0092	6579	ncrb0170	6635	ncrb0260	6691	ncrb0342
6468	ncrb0013	6524	ncrb0093	6580	ncrb0171	6636	ncrb0261	6692	ncrb0344
6469	ncrb0015	6525	ncrb0094	6581	ncrb0172	6637	ncrb0262	6693	ncrb0345
6470	ncrb0016	6526	ncrb0095	6582	ncrb0175	6638	ncrb0263	6694	ncrb0346
6471	ncrb0017	6527	ncrb0096	6583	ncrb0176	6639	ncrb0265	6695	ncrb0349
6472	ncrb0019	6528	ncrb0100	6584	ncrb0178	6640	ncrb0266	6696	ncrb0350
6473	ncrb0020	6529	ncrb0101	6585	ncrb0179	6641	ncrb0267	6697	ncrb0351
6474	ncrb0021	6530	ncrb0102	6586	ncrb0180	6642	ncrb0269	6698	ncrb0353
6475	ncrb0023	6531	ncrb0103	6587	ncrb0181	6643	ncrb0270	6699	ncrb0354
6476	ncrb0024	6532	ncrb0104	6588	ncrb0182	6644	ncrb0272	6700	ncrb0355
6477	ncrb0025	6533	ncrb0108	6589	ncrb0183	6645	ncrb0273	6701	ncrb0356
6478	ncrb0027	6534	ncrb0109	6590	ncrb0185	6646	ncrb0274	6702	ncrb0358
6479	ncrb0031	6535	ncrb0111	6591	ncrb0186	6647	ncrb0275	6703	ncrb0361
6480	ncrb0032	6536	ncrb0113	6592	ncrb0187	6648	ncrb0276	6704	ncrb0362
6481	ncrb0033	6537	ncrb0115	6593	ncrb0188	6649	ncrb0277	6705	ncrb0363
6482	ncrb0034	6538	ncrb0116	6594	ncrb0189	6650	ncrb0279	6706	ncrb0364
6483	ncrb0035	6539	ncrb0117	6595	ncrb0190	6651	ncrb0280	6707	ncrb0365
6484	ncrb0036	6540	ncrb0120	6596	ncrb0191	6652	ncrb0281	6708	ncrb0366
6485	ncrb0037	6541	ncrb0121	6597	ncrb0192	6653	ncrb0282	6709	ncrb0367
6486	ncrb0039	6542	ncrb0122	6598	ncrb0196	6654	ncrb0283	6710	ncrb0368
6487	ncrb0040	6543	ncrb0123	6599	ncrb0197	6655	ncrb0284	6711	ncrb0369
6488	ncrb0042	6544	ncrb0124	6600	ncrb0199	6656	ncrb0287	6712	ncrb0370
6489	ncrb0043	6545	ncrb0127	6601	ncrb0200	6657	ncrb0288	6713	ncrb0371
6490	ncrb0044	6546	ncrb0129	6602	ncrb0201	6658	ncrb0291	6714	ncrb0372
6491	ncrb0045	6547	ncrb0130	6603	ncrb0203	6659	ncrb0292	6715	ncrb0375
6492	ncrb0046	6548	ncrb0131	6604	ncrb0204	6660	ncrb0293	6716	ncrb0376
6493	ncrb0047	6549	ncrb0133	6605	ncrb0205	6661	ncrb0295	6717	ncrb0377
6494	ncrb0048	6550	ncrb0134	6606	ncrb0207	6662	ncrb0299	6718	ncrb0379
6495	ncrb0049	6551	ncrb0135	6607	ncrb0211	6663	ncrb0303	6719	ncrb0380
6496	ncrb0050	6552	ncrb0136	6608	ncrb0212	6664	ncrb0305	6720	ncrb0381

Figure 6C – Continued

6721	ncrb0383	6777	ncrb0464	6833	ncrb0563	6889	ncrb0661	6945	ncrb0744
6722	ncrb0384	6778	ncrb0465	6834	ncrb0564	6890	ncrb0663	6946	ncrb0745
6723	ncrb0387	6779	ncrb0466	6835	ncrb0565	6891	ncrb0664	6947	ncrb0746
6724	ncrb0388	6780	ncrb0468	6836	ncrb0567	6892	ncrb0666	6948	ncrb0748
6725	ncrb0389	6781	ncrb0471	6837	ncrb0568	6893	ncrb0667	6949	ncrb0749
6726	ncrb0395	6782	ncrb0472	6838	ncrb0569	6894	ncrb0668	6950	ncrb0750
6727	ncrb0396	6783	ncrb0473	6839	ncrb0570	6895	ncrb0669	6951	ncrb0751
6728	ncrb0397	6784	ncrb0474	6840	ncrb0571	6896	ncrb0670	6952	ncrb0752
6729	ncrb0400	6785	ncrb0476	6841	ncrb0573	6897	ncrb0671	6953	ncrb0754
6730	ncrb0403	6786	ncrb0478	6842	ncrb0579	6898	ncrb0672	6954	ncrb0755
6731	ncrb0404	6787	ncrb0479	6843	ncrb0580	6899	ncrb0676	6955	ncrb0757
6732	ncrb0405	6788	ncrb0481	6844	ncrb0581	6900	ncrb0677	6956	ncrb0758
6733	ncrb0407	6789	ncrb0484	6845	ncrb0585	6901	ncrb0679	6957	ncrb0759
6734	ncrb0408	6790	ncrb0485	6846	ncrb0586	6902	ncrb0680	6958	ncrb0760
6735	ncrb0409	6791	ncrb0487	6847	ncrb0587	6903	ncrb0684	6959	ncrb0761
6736	ncrb0412	6792	ncrb0488	6848	ncrb0588	6904	ncrb0687	6960	ncrb0763
6737	ncrb0413	6793	ncrb0491	6849	ncrb0589	6905	ncrb0688	6961	ncrb0764
6738	ncrb0415	6794	ncrb0492	6850	ncrb0592	6906	ncrb0689	6962	ncrb0766
6739	ncrb0416	6795	ncrb0493	6851	ncrb0599	6907	ncrb0692	6963	ncrb0772
6740	ncrb0417	6796	ncrb0496	6852	ncrb0600	6908	ncrb0693	6964	ncrb0773
6741	ncrb0418	6797	ncrb0497	6853	ncrb0601	6909	ncrb0696	6965	ncrb0777
6742	ncrb0422	6798	ncrb0499	6854	ncrb0602	6910	ncrb0697	6966	ncrb0779
6743	ncrb0423	6799	ncrb0500	6855	ncrb0605	6911	ncrb0698	6967	ncrb0782
6744	ncrb0424	6800	ncrb0503	6856	ncrb0607	6912	ncrb0699	6968	ncrb0783
6745	ncrb0428	6801	ncrb0505	6857	ncrb0608	6913	ncrb0700	6969	ncrb0784
6746	ncrb0430	6802	ncrb0506	6858	ncrb0609	6914	ncrb0701	6970	ncrb0787
6747	ncrb0431	6803	ncrb0507	6859	ncrb0611	6915	ncrb0703	6971	ncrb0788
6748	ncrb0433	6804	ncrb0509	6860	ncrb0618	6916	ncrb0704	6972	ncrb0789
6749	ncrb0434	6805	ncrb0511	6861	ncrb0619	6917	ncrb0705	6973	ncrb0794
6750	ncrb0435	6806	ncrb0513	6862	ncrb0620	6918	ncrb0706	6974	ncrb0795
6751	ncrb0436	6807	ncrb0514	6863	ncrb0622	6919	ncrb0707	6975	ncrb0796
6752	ncrb0437	6808	ncrb0519	6864	ncrb0624	6920	ncrb0708	6976	ncrb0797
6753	ncrb0438	6809	ncrb0522	6865	ncrb0627	6921	ncrb0709	6977	ncrb0799
6754	ncrb0439	6810	ncrb0523	6866	ncrb0630	6922	ncrb0710	6978	ncrb0800
6755	ncrb0440	6811	ncrb0524	6867	ncrb0631	6923	ncrb0711	6979	ncrb0803
6756	ncrb0441	6812	ncrb0525	6868	ncrb0632	6924	ncrb0716	6980	ncrb0804
6757	ncrb0442	6813	ncrb0526	6869	ncrb0634	6925	ncrb0718	6981	ncrb0805
6758	ncrb0443	6814	ncrb0529	6870	ncrb0635	6926	ncrb0719	6982	ncrb0806
6759	ncrb0444	6815	ncrb0530	6871	ncrb0636	6927	ncrb0720	6983	ncrb0807
6760	ncrb0446	6816	ncrb0531	6872	ncrb0638	6928	ncrb0721	6984	ncrb0808
6761	ncrb0448	6817	ncrb0536	6873	ncrb0639	6929	ncrb0722	6985	ncrb0810
6762	ncrb0449	6818	ncrb0538	6874	ncrb0641	6930	ncrb0723	6986	ncrb0811
6763	ncrb0450	6819	ncrb0540	6875	ncrb0642	6931	ncrb0724	6987	ncrb0812
6764	ncrb0451	6820	ncrb0541	6876	ncrb0643	6932	ncrb0725	6988	ncrb0814
6765	ncrb0452	6821	ncrb0543	6877	ncrb0644	6933	ncrb0726	6989	ncrb0815
6766	ncrb0453	6822	ncrb0544	6878	ncrb0646	6934	ncrb0728	6990	ncrb0817
6767	ncrb0454	6823	ncrb0545	6879	ncrb0647	6935	ncrb0729	6991	ncrb0818
6768	ncrb0455	6824	ncrb0547	6880	ncrb0648	6936	ncrb0730	6992	ncrb0819
6769	ncrb0456	6825	ncrb0548	6881	ncrb0651	6937	ncrb0732	6993	ncrb0820
6770	ncrb0457	6826	ncrb0549	6882	ncrb0652	6938	ncrb0735	6994	ncrb0821
6771	ncrb0458	6827	ncrb0550	6883	ncrb0653	6939	ncrb0736	6995	ncrb0822
6772	ncrb0459	6828	ncrb0551	6884	ncrb0654	6940	ncrb0737	6996	ncrb0823
6773	ncrb0460	6829	ncrb0552	6885	ncrb0655	6941	ncrb0739	6997	ncrb0825
6774	ncrb0461	6830	ncrb0554	6886	ncrb0656	6942	ncrb0740	6998	ncrb0826
6775	ncrb0462	6831	ncrb0556	6887	ncrb0658	6943	ncrb0741	6999	ncrb0827
6776	ncrb0463	6832	ncrb0559	6888	ncrb0660	6944	ncrb0743	7000	ncrb0828

Figure 6C - Continued

7001	ncrb0829	7057	ncrb0916	7113	ncrb1104	7169	ncrb1187	7225	ncrb1280
7002	ncrb0830	7058	ncrb0917	7114	ncrb1106	7170	ncrb1189	7226	ncrb1281
7003	ncrb0832	7059	ncrb0918	7115	ncrb1108	7171	ncrb1190	7227	ncrb1285
7004	ncrb0833	7060	ncrb0921	7116	ncrb1109	7172	ncrb1191	7228	ncrb1288
7005	ncrb0834	7061	ncrb0922	7117	ncrb1110	7173	ncrb1192	7229	ncrb1291
7006	ncrb0837	7062	ncrb0923	7118	ncrb1111	7174	ncrb1195	7230	ncrb1292
7007	ncrb0838	7063	ncrb0924	7119	ncrb1112	7175	ncrb1196	7231	ncrb1295
7008	ncrb0840	7064	ncrb0925	7120	ncrb1113	7176	ncrb1197	7232	ncrb1296
7009	ncrb0841	7065	ncrb0928	7121	ncrb1114	7177	ncrb1198	7233	ncrb1297
7010	ncrb0842	7066	ncrb0929	7122	ncrb1115	7178	ncrb1199	7234	ncrb1300
7011	ncrb0843	7067	ncrb0931	7123	ncrb1116	7179	ncrb1200	7235	ncrb1301
7012	ncrb0844	7068	ncrb0932	7124	ncrb1117	7180	ncrb1202	7236	ncrb1302
7013	ncrb0845	7069	ncrb0933	7125	ncrb1118	7181	ncrb1203	7237	ncrb1303
7014	ncrb0846	7070	ncrb0934	7126	ncrb1120	7182	ncrb1204	7238	ncrb1304
7015	ncrb0847	7071	ncrb0936	7127	ncrb1121	7183	ncrb1205	7239	ncrb1305
7016	ncrb0848	7072	ncrb0937	7128	ncrb1123	7184	ncrb1206	7240	ncrb1307
7017	ncrb0849	7073	ncrb0938	7129	ncrb1124	7185	ncrb1207	7241	ncrb1309
7018	ncrb0850	7074	ncrb0939	7130	ncrb1125	7186	ncrb1208	7242	ncrb1310
7019	ncrb0851	7075	ncrb0940	7131	ncrb1126	7187	ncrb1209	7243	ncrb1311
7020	ncrb0852	7076	ncrb0942	7132	ncrb1127	7188	ncrb1213	7244	ncrb1312
7021	ncrb0854	7077	ncrb0943	7133	ncrb1128	7189	ncrb1214	7245	ncrb1313
7022	ncrb0855	7078	ncrb0945	7134	ncrb1129	7190	ncrb1216	7246	ncrb1314
7023	ncrb0856	7079	ncrb0947	7135	ncrb1131	7191	ncrb1217	7247	ncrb1315
7024	ncrb0857	7080	ncrb0948	7136	ncrb1135	7192	ncrb1218	7248	ncrb1317
7025	ncrb0858	7081	ncrb0949	7137	ncrb1136	7193	ncrb1220	7249	ncrb1318
7026	ncrb0859	7082	ncrb0951	7138	ncrb1137	7194	ncrb1221	7250	ncrb1320
7027	ncrb0860	7083	ncrb0952	7139	ncrb1139	7195	ncrb1223	7251	ncrb1322
7028	ncrb0861	7084	ncrb0957	7140	ncrb1141	7196	ncrb1224	7252	ncrb1323
7029	ncrb0862	7085	ncrb0960	7141	ncrb1142	7197	ncrb1228	7253	ncrb1325
7030	ncrb0864	7086	ncrb1059	7142	ncrb1143	7198	ncrb1230	7254	ncrb1326
7031	ncrb0867	7087	ncrb1063	7143	ncrb1144	7199	ncrb1231	7255	ncrb1327
7032	ncrb0868	7088	ncrb1065	7144	ncrb1146	7200	ncrb1232	7256	ncrb1328
7033	ncrb0870	7089	ncrb1067	7145	ncrb1148	7201	ncrb1234	7257	ncrb1329
7034	ncrb0872	7090	ncrb1068	7146	ncrb1150	7202	ncrb1235	7258	ncrb1330
7035	ncrb0874	7091	ncrb1069	7147	ncrb1152	7203	ncrb1240	7259	ncrb1331
7036	ncrb0875	7092	ncrb1072	7148	ncrb1153	7204	ncrb1243	7260	ncrb1333
7037	ncrb0877	7093	ncrb1073	7149	ncrb1155	7205	ncrb1245	7261	ncrb1334
7038	ncrb0878	7094	ncrb1075	7150	ncrb1157	7206	ncrb1247	7262	ncrb1335
7039	ncrb0881	7095	ncrb1079	7151	ncrb1159	7207	ncrb1248	7263	ncrb1336
7040	ncrb0882	7096	ncrb1080	7152	ncrb1161	7208	ncrb1251	7264	ncrb1337
7041	ncrb0888	7097	ncrb1081	7153	ncrb1163	7209	ncrb1252	7265	ncrb1341
7042	ncrb0891	7098	ncrb1082	7154	ncrb1164	7210	ncrb1255	7266	ncrb1342
7043	ncrb0892	7099	ncrb1083	7155	ncrb1165	7211	ncrb1256	7267	ncrb1344
7044	ncrb0897	7100	ncrb1084	7156	ncrb1167	7212	ncrb1258	7268	ncrb1348
7045	ncrb0899	7101	ncrb1085	7157	ncrb1169	7213	ncrb1259	7269	ncrb1349
7046	ncrb0901	7102	ncrb1087	7158	ncrb1171	7214	ncrb1261	7270	ncrb1351
7047	ncrb0902	7103	ncrb1088	7159	ncrb1173	7215	ncrb1262	7271	ncrb1352
7048	ncrb0903	7104	ncrb1089	7160	ncrb1175	7216	ncrb1263	7272	ncrb1356
7049	ncrb0904	7105	ncrb1092	7161	ncrb1176	7217	ncrb1264	7273	ncrb1357
7050	ncrb0908	7106	ncrb1093	7162	ncrb1178	7218	ncrb1267	7274	ncrb1359
7051	ncrb0909	7107	ncrb1094	7163	ncrb1179	7219	ncrb1268	7275	ncrb1360
7052	ncrb0911	7108	ncrb1095	7164	ncrb1180	7220	ncrb1269	7276	ncrb1361
7053	ncrb0912	7109	ncrb1096	7165	ncrb1181	7221	ncrb1271	7277	ncrb1363
7054	ncrb0913	7110	ncrb1098	7166	ncrb1183	7222	ncrb1276	7278	ncrb1364
7055	ncrb0914	7111	ncrb1100	7167	ncrb1185	7223	ncrb1277	7279	ncrb1365
7056	ncrb0915	7112	ncrb1101	7168	ncrb1186	7224	ncrb1279	7280	ncrb1367

Figure 6C – Continued

7281	ncrb1368	7337	ncrb1448	7393	ncrb1533	7449	ncrb1624	7505	ncrb1708
7282	ncrb1369	7338	ncrb1451	7394	ncrb1534	7450	ncrb1625	7506	ncrb1709
7283	ncrb1370	7339	ncrb1454	7395	ncrb1539	7451	ncrb1626	7507	ncrb1711
7284	ncrb1371	7340	ncrb1455	7396	ncrb1540	7452	ncrb1627	7508	ncrb1712
7285	ncrb1372	7341	ncrb1456	7397	ncrb1543	7453	ncrb1628	7509	ncrb1713
7286	ncrb1373	7342	ncrb1457	7398	ncrb1544	7454	ncrb1630	7510	ncrb1715
7287	ncrb1375	7343	ncrb1459	7399	ncrb1546	7455	ncrb1632	7511	ncrb1716
7288	ncrb1377	7344	ncrb1461	7400	ncrb1547	7456	ncrb1636	7512	ncrb1717
7289	ncrb1379	7345	ncrb1463	7401	ncrb1548	7457	ncrb1639	7513	ncrb1718
7290	ncrb1380	7346	ncrb1466	7402	ncrb1549	7458	ncrb1640	7514	ncrb1719
7291	ncrb1381	7347	ncrb1467	7403	ncrb1551	7459	ncrb1644	7515	ncrb1723
7292	ncrb1383	7348	ncrb1469	7404	ncrb1555	7460	ncrb1645	7516	ncrb1724
7293	ncrb1384	7349	ncrb1471	7405	ncrb1557	7461	ncrb1646	7517	ncrb1726
7294	ncrb1386	7350	ncrb1473	7406	ncrb1562	7462	ncrb1648	7518	ncrb1727
7295	ncrb1387	7351	ncrb1475	7407	ncrb1563	7463	ncrb1653	7519	ncrb1729
7296	ncrb1388	7352	ncrb1477	7408	ncrb1564	7464	ncrb1654	7520	ncrb1731
7297	ncrb1389	7353	ncrb1478	7409	ncrb1565	7465	ncrb1655	7521	ncrb1732
7298	ncrb1390	7354	ncrb1479	7410	ncrb1568	7466	ncrb1656	7522	ncrb1733
7299	ncrb1391	7355	ncrb1480	7411	ncrb1569	7467	ncrb1658	7523	ncrb1734
7300	ncrb1392	7356	ncrb1482	7412	ncrb1570	7468	ncrb1659	7524	ncrb1735
7301	ncrb1393	7357	ncrb1483	7413	ncrb1571	7469	ncrb1661	7525	ncrb1737
7302	ncrb1394	7358	ncrb1484	7414	ncrb1574	7470	ncrb1663	7526	ncrb1738
7303	ncrb1395	7359	ncrb1485	7415	ncrb1575	7471	ncrb1664	7527	ncrb1739
7304	ncrb1396	7360	ncrb1486	7416	ncrb1577	7472	ncrb1665	7528	ncrb1740
7305	ncrb1397	7361	ncrb1487	7417	ncrb1578	7473	ncrb1667	7529	ncrb1741
7306	ncrb1398	7362	ncrb1488	7418	ncrb1580	7474	ncrb1668	7530	ncrb1743
7307	ncrb1399	7363	ncrb1491	7419	ncrb1583	7475	ncrb1669	7531	ncrb1744
7308	ncrb1400	7364	ncrb1492	7420	ncrb1584	7476	ncrb1670	7532	ncrb1745
7309	ncrb1403	7365	ncrb1493	7421	ncrb1585	7477	ncrb1671	7533	ncrb1747
7310	ncrb1404	7366	ncrb1494	7422	ncrb1586	7478	ncrb1672	7534	ncrb1753
7311	ncrb1406	7367	ncrb1495	7423	ncrb1587	7479	ncrb1675	7535	ncrb1754
7312	ncrb1407	7368	ncrb1496	7424	ncrb1590	7480	ncrb1676	7536	ncrb1755
7313	ncrb1409	7369	ncrb1498	7425	ncrb1591	7481	ncrb1677	7537	ncrb1756
7314	ncrb1410	7370	ncrb1501	7426	ncrb1593	7482	ncrb1679	7538	ncrb1757
7315	ncrb1411	7371	ncrb1504	7427	ncrb1594	7483	ncrb1680	7539	ncrb1759
7316	ncrb1413	7372	ncrb1505	7428	ncrb1596	7484	ncrb1681	7540	ncrb1760
7317	ncrb1414	7373	ncrb1506	7429	ncrb1597	7485	ncrb1684	7541	ncrb1761
7318	ncrb1415	7374	ncrb1509	7430	ncrb1598	7486	ncrb1685	7542	ncrb1765
7319	ncrb1416	7375	ncrb1510	7431	ncrb1599	7487	ncrb1686	7543	ncrb1767
7320	ncrb1417	7376	ncrb1511	7432	ncrb1600	7488	ncrb1688	7544	ncrb1770
7321	ncrb1418	7377	ncrb1512	7433	ncrb1601	7489	ncrb1689	7545	ncrb1771
7322	ncrb1419	7378	ncrb1514	7434	ncrb1602	7490	ncrb1690	7546	ncrb1772
7323	ncrb1420	7379	ncrb1515	7435	ncrb1603	7491	ncrb1691	7547	ncrb1778
7324	ncrb1421	7380	ncrb1516	7436	ncrb1604	7492	ncrb1694	7548	ncrb1779
7325	ncrb1422	7381	ncrb1517	7437	ncrb1605	7493	ncrb1695	7549	ncrb1780
7326	ncrb1427	7382	ncrb1518	7438	ncrb1606	7494	ncrb1696	7550	ncrb1781
7327	ncrb1428	7383	ncrb1519	7439	ncrb1607	7495	ncrb1697	7551	ncrb1782
7328	ncrb1429	7384	ncrb1520	7440	ncrb1610	7496	ncrb1698	7552	ncrb1783
7329	ncrb1431	7385	ncrb1521	7441	ncrb1612	7497	ncrb1699	7553	ncrb1785
7330	ncrb1432	7386	ncrb1522	7442	ncrb1614	7498	ncrb1700	7554	ncrb1787
7331	ncrb1433	7387	ncrb1523	7443	ncrb1615	7499	ncrb1701	7555	ncrb1788
7332	ncrb1436	7388	ncrb1524	7444	ncrb1617	7500	ncrb1702	7556	ncrb1789
7333	ncrb1438	7389	ncrb1526	7445	ncrb1619	7501	ncrb1703	7557	ncrb1791
7334	ncrb1439	7390	ncrb1530	7446	ncrb1620	7502	ncrb1705	7558	ncrb1792
7335	ncrb1440	7391	ncrb1531	7447	ncrb1621	7503	ncrb1706	7559	ncrb1793
7336	ncrb1447	7392	ncrb1532	7448	ncrb1623	7504	ncrb1707	7560	ncrb1795

Figure 6C – Continued

7561	ncrb1797	7617	ncrb1873	7673	ncrb1945	7729	ncrb2038	7785	ncrb2125
7562	ncrb1798	7618	ncrb1874	7674	ncrb1948	7730	ncrb2039	7786	ncrb2126
7563	ncrb1800	7619	ncrb1875	7675	ncrb1949	7731	ncrb2042	7787	ncrb2127
7564	ncrb1801	7620	ncrb1876	7676	ncrb1953	7732	ncrb2043	7788	ncrb2128
7565	ncrb1802	7621	ncrb1877	7677	ncrb1955	7733	ncrb2045	7789	ncrb2131
7566	ncrb1804	7622	ncrb1878	7678	ncrb1956	7734	ncrb2051	7790	ncrb2133
7567	ncrb1805	7623	ncrb1879	7679	ncrb1957	7735	ncrb2052	7791	ncrb2135
7568	ncrb1807	7624	ncrb1880	7680	ncrb1959	7736	ncrb2053	7792	ncrb2143
7569	ncrb1808	7625	ncrb1881	7681	ncrb1962	7737	ncrb2056	7793	ncrb2145
7570	ncrb1809	7626	ncrb1882	7682	ncrb1963	7738	ncrb2058	7794	ncrb2146
7571	ncrb1810	7627	ncrb1883	7683	ncrb1964	7739	ncrb2059	7795	ncrb2148
7572	ncrb1813	7628	ncrb1884	7684	ncrb1965	7740	ncrb2062	7796	ncrb2150
7573	ncrb1815	7629	ncrb1885	7685	ncrb1968	7741	ncrb2063	7797	ncrb2151
7574	ncrb1816	7630	ncrb1886	7686	ncrb1969	7742	ncrb2065	7798	ncrb2152
7575	ncrb1817	7631	ncrb1887	7687	ncrb1972	7743	ncrb2067	7799	ncrb2155
7576	ncrb1818	7632	ncrb1888	7688	ncrb1973	7744	ncrb2068	7800	ncrb2157
7577	ncrb1819	7633	ncrb1889	7689	ncrb1975	7745	ncrb2071	7801	ncrb2159
7578	ncrb1820	7634	ncrb1890	7690	ncrb1977	7746	ncrb2072	7802	ncrb2160
7579	ncrb1821	7635	ncrb1891	7691	ncrb1979	7747	ncrb2074	7803	ncrb2161
7580	ncrb1822	7636	ncrb1892	7692	ncrb1980	7748	ncrb2075	7804	ncrb2162
7581	ncrb1823	7637	ncrb1893	7693	ncrb1982	7749	ncrb2076	7805	ncrb2164
7582	ncrb1824	7638	ncrb1894	7694	ncrb1983	7750	ncrb2077	7806	ncrb2165
7583	ncrb1825	7639	ncrb1895	7695	ncrb1984	7751	ncrb2078	7807	ncrb2166
7584	ncrb1827	7640	ncrb1896	7696	ncrb1986	7752	ncrb2079	7808	ncrb2168
7585	ncrb1828	7641	ncrb1897	7697	ncrb1987	7753	ncrb2080	7809	ncrb2169
7586	ncrb1829	7642	ncrb1898	7698	ncrb1988	7754	ncrb2082	7810	ncrb2170
7587	ncrb1831	7643	ncrb1899	7699	ncrb1989	7755	ncrb2083	7811	ncrb2173
7588	ncrb1832	7644	ncrb1901	7700	ncrb1993	7756	ncrb2085	7812	ncrb2174
7589	ncrb1833	7645	ncrb1902	7701	ncrb1994	7757	ncrb2087	7813	ncrb2175
7590	ncrb1836	7646	ncrb1904	7702	ncrb1995	7758	ncrb2088	7814	ncrb2176
7591	ncrb1839	7647	ncrb1905	7703	ncrb1996	7759	ncrb2089	7815	ncrb2177
7592	ncrb1840	7648	ncrb1907	7704	ncrb1997	7760	ncrb2090	7816	ncrb2178
7593	ncrb1843	7649	ncrb1908	7705	ncrb1998	7761	ncrb2091	7817	ncrb2179
7594	ncrb1844	7650	ncrb1910	7706	ncrb1999	7762	ncrb2092	7818	ncrb2180
7595	ncrb1845	7651	ncrb1911	7707	ncrb2001	7763	ncrb2093	7819	ncrb2181
7596	ncrb1847	7652	ncrb1912	7708	ncrb2003	7764	ncrb2094	7820	ncrb2182
7597	ncrb1848	7653	ncrb1913	7709	ncrb2006	7765	ncrb2096	7821	ncrb2183
7598	ncrb1849	7654	ncrb1914	7710	ncrb2007	7766	ncrb2097	7822	ncrb2184
7599	ncrb1850	7655	ncrb1915	7711	ncrb2008	7767	ncrb2099	7823	ncrb2186
7600	ncrb1851	7656	ncrb1916	7712	ncrb2010	7768	ncrb2101	7824	ncrb2187
7601	ncrb1852	7657	ncrb1917	7713	ncrb2011	7769	ncrb2102	7825	ncrb2188
7602	ncrb1853	7658	ncrb1919	7714	ncrb2013	7770	ncrb2104	7826	ncrb2189
7603	ncrb1856	7659	ncrb1920	7715	ncrb2014	7771	ncrb2105	7827	ncrb2191
7604	ncrb1857	7660	ncrb1923	7716	ncrb2015	7772	ncrb2106	7828	ncrb2192
7605	ncrb1859	7661	ncrb1924	7717	ncrb2016	7773	ncrb2108	7829	ncrb2193
7606	ncrb1860	7662	ncrb1925	7718	ncrb2019	7774	ncrb2109	7830	ncrb2195
7607	ncrb1861	7663	ncrb1927	7719	ncrb2020	7775	ncrb2110	7831	ncrb2197
7608	ncrb1862	7664	ncrb1928	7720	ncrb2024	7776	ncrb2111	7832	ncrb2200
7609	ncrb1864	7665	ncrb1931	7721	ncrb2027	7777	ncrb2112	7833	ncrb2201
7610	ncrb1865	7666	ncrb1936	7722	ncrb2028	7778	ncrb2115	7834	ncrb2202
7611	ncrb1866	7667	ncrb1937	7723	ncrb2029	7779	ncrb2116	7835	ncrb2204
7612	ncrb1867	7668	ncrb1939	7724	ncrb2031	7780	ncrb2117	7836	ncrb2205
7613	ncrb1868	7669	ncrb1940	7725	ncrb2032	7781	ncrb2118	7837	ncrb2206
7614	ncrb1869	7670	ncrb1941	7726	ncrb2035	7782	ncrb2119	7838	ncrb2208
7615	ncrb1871	7671	ncrb1942	7727	ncrb2036	7783	ncrb2122	7839	ncrb2211
7616	ncrb1872	7672	ncrb1943	7728	ncrb2037	7784	ncrb2124	7840	ncrb2213

Figure 6C – Continued

7841	ncrb2215	7897	ncrb2299	7953	ncrb2400	8009	ncrb2489	8065	ncrb2579
7842	ncrb2219	7898	ncrb2307	7954	ncrb2403	8010	ncrb2490	8066	ncrb2580
7843	ncrb2220	7899	ncrb2308	7955	ncrb2404	8011	ncrb2491	8067	ncrb2581
7844	ncrb2221	7900	ncrb2309	7956	ncrb2405	8012	ncrb2492	8068	ncrb2582
7845	ncrb2223	7901	ncrb2310	7957	ncrb2407	8013	ncrb2495	8069	ncrb2583
7846	ncrb2224	7902	ncrb2311	7958	ncrb2408	8014	ncrb2496	8070	ncrb2585
7847	ncrb2227	7903	ncrb2317	7959	ncrb2412	8015	ncrb2500	8071	ncrb2586
7848	ncrb2228	7904	ncrb2320	7960	ncrb2414	8016	ncrb2503	8072	ncrb2588
7849	ncrb2229	7905	ncrb2323	7961	ncrb2415	8017	ncrb2504	8073	ncrb2590
7850	ncrb2231	7906	ncrb2324	7962	ncrb2416	8018	ncrb2507	8074	ncrb2591
7851	ncrb2235	7907	ncrb2328	7963	ncrb2419	8019	ncrb2508	8075	ncrb2592
7852	ncrb2237	7908	ncrb2330	7964	ncrb2421	8020	ncrb2510	8076	ncrb2595
7853	ncrb2239	7909	ncrb2331	7965	ncrb2422	8021	ncrb2511	8077	ncrb2597
7854	ncrb2240	7910	ncrb2335	7966	ncrb2424	8022	ncrb2512	8078	ncrb2598
7855	ncrb2241	7911	ncrb2336	7967	ncrb2426	8023	ncrb2515	8079	ncrb2599
7856	ncrb2242	7912	ncrb2339	7968	ncrb2427	8024	ncrb2516	8080	ncrb2600
7857	ncrb2243	7913	ncrb2341	7969	ncrb2428	8025	ncrb2517	8081	ncrb2601
7858	ncrb2245	7914	ncrb2342	7970	ncrb2429	8026	ncrb2519	8082	ncrb2603
7859	ncrb2246	7915	ncrb2344	7971	ncrb2431	8027	ncrb2523	8083	ncrb2604
7860	ncrb2247	7916	ncrb2346	7972	ncrb2432	8028	ncrb2524	8084	ncrb2606
7861	ncrb2248	7917	ncrb2347	7973	ncrb2434	8029	ncrb2527	8085	ncrb2607
7862	ncrb2250	7918	ncrb2348	7974	ncrb2435	8030	ncrb2528	8086	ncrb2608
7863	ncrb2251	7919	ncrb2351	7975	ncrb2437	8031	ncrb2529	8087	ncrb2611
7864	ncrb2255	7920	ncrb2352	7976	ncrb2440	8032	ncrb2531	8088	ncrb2614
7865	ncrb2256	7921	ncrb2357	7977	ncrb2442	8033	ncrb2533	8089	ncrb2615
7866	ncrb2257	7922	ncrb2358	7978	ncrb2444	8034	ncrb2534	8090	ncrb2617
7867	ncrb2258	7923	ncrb2359	7979	ncrb2445	8035	ncrb2535	8091	ncrb2618
7868	ncrb2261	7924	ncrb2360	7980	ncrb2447	8036	ncrb2539	8092	ncrb2621
7869	ncrb2262	7925	ncrb2361	7981	ncrb2448	8037	ncrb2540	8093	ncrb2623
7870	ncrb2263	7926	ncrb2362	7982	ncrb2449	8038	ncrb2543	8094	ncrb2626
7871	ncrb2265	7927	ncrb2364	7983	ncrb2451	8039	ncrb2544	8095	ncrb2627
7872	ncrb2266	7928	ncrb2365	7984	ncrb2452	8040	ncrb2546	8096	ncrb2628
7873	ncrb2267	7929	ncrb2367	7985	ncrb2453	8041	ncrb2547	8097	ncrb2630
7874	ncrb2268	7930	ncrb2368	7986	ncrb2454	8042	ncrb2548	8098	ncrb2632
7875	ncrb2269	7931	ncrb2369	7987	ncrb2455	8043	ncrb2550	8099	ncrb2636
7876	ncrb2270	7932	ncrb2370	7988	ncrb2456	8044	ncrb2551	8100	ncrb2637
7877	ncrb2271	7933	ncrb2373	7989	ncrb2458	8045	ncrb2552	8101	ncrb2639
7878	ncrb2272	7934	ncrb2375	7990	ncrb2459	8046	ncrb2554	8102	ncrb2640
7879	ncrb2273	7935	ncrb2377	7991	ncrb2460	8047	ncrb2555	8103	ncrb2641
7880	ncrb2274	7936	ncrb2378	7992	ncrb2461	8048	ncrb2556	8104	ncrb2642
7881	ncrb2277	7937	ncrb2379	7993	ncrb2465	8049	ncrb2557	8105	ncrb2643
7882	ncrb2278	7938	ncrb2380	7994	ncrb2466	8050	ncrb2558	8106	ncrb2644
7883	ncrb2279	7939	ncrb2381	7995	ncrb2467	8051	ncrb2559	8107	ncrb2645
7884	ncrb2280	7940	ncrb2383	7996	ncrb2468	8052	ncrb2560	8108	ncrb2646
7885	ncrb2281	7941	ncrb2387	7997	ncrb2469	8053	ncrb2562	8109	ncrb2647
7886	ncrb2282	7942	ncrb2388	7998	ncrb2470	8054	ncrb2563	8110	ncrb2648
7887	ncrb2283	7943	ncrb2389	7999	ncrb2471	8055	ncrb2565	8111	ncrb2649
7888	ncrb2284	7944	ncrb2390	8000	ncrb2472	8056	ncrb2566	8112	ncrb2650
7889	ncrb2286	7945	ncrb2391	8001	ncrb2474	8057	ncrb2568	8113	ncrb2651
7890	ncrb2288	7946	ncrb2393	8002	ncrb2475	8058	ncrb2570	8114	ncrb2655
7891	ncrb2289	7947	ncrb2394	8003	ncrb2478	8059	ncrb2571	8115	ncrb2656
7892	ncrb2291	7948	ncrb2395	8004	ncrb2479	8060	ncrb2572	8116	ncrb2657
7893	ncrb2292	7949	ncrb2396	8005	ncrb2480	8061	ncrb2573	8117	ncrb2658
7894	ncrb2293	7950	ncrb2397	8006	ncrb2484	8062	ncrb2574	8118	ncrb2659
7895	ncrb2294	7951	ncrb2398	8007	ncrb2485	8063	ncrb2575	8119	ncrb2660
7896	ncrb2295	7952	ncrb2399	8008	ncrb2486	8064	ncrb2576	8120	ncrb2661

Figure 6C -- Continued

8121	ncrb2662	8177	ncrb2749	8233	ncrb2842	8289	ncrb2942	8345	ncrb3053
8122	ncrb2665	8178	ncrb2751	8234	ncrb2844	8290	ncrb2943	8346	ncrb3054
8123	ncrb2666	8179	ncrb2752	8235	ncrb2845	8291	ncrb2945	8347	ncrb3055
8124	ncrb2667	8180	ncrb2753	8236	ncrb2846	8292	ncrb2947	8348	ncrb3056
8125	ncrb2669	8181	ncrb2754	8237	ncrb2847	8293	ncrb2949	8349	ncrb3061
8126	ncrb2671	8182	ncrb2755	8238	ncrb2848	8294	ncrb2951	8350	ncrb3063
8127	ncrb2672	8183	ncrb2756	8239	ncrb2850	8295	ncrb2952	8351	ncrb3064
8128	ncrb2676	8184	ncrb2757	8240	ncrb2851	8296	ncrb2954	8352	ncrb3071
8129	ncrb2677	8185	ncrb2759	8241	ncrb2852	8297	ncrb2955	8353	ncrb3076
8130	ncrb2678	8186	ncrb2761	8242	ncrb2853	8298	ncrb2956	8354	ncrb3077
8131	ncrb2680	8187	ncrb2762	8243	ncrb2854	8299	ncrb2957	8355	ncrb3079
8132	ncrb2681	8188	ncrb2763	8244	ncrb2855	8300	ncrb2961	8356	ncrb3080
8133	ncrb2683	8189	ncrb2765	8245	ncrb2856	8301	ncrb2963	8357	ncrb3083
8134	ncrb2684	8190	ncrb2767	8246	ncrb2857	8302	ncrb2966	8358	ncrb3086
8135	ncrb2686	8191	ncrb2771	8247	ncrb2858	8303	ncrb2968	8359	ncrb3087
8136	ncrb2687	8192	ncrb2772	8248	ncrb2861	8304	ncrb2969	8360	ncrb3091
8137	ncrb2688	8193	ncrb2773	8249	ncrb2862	8305	ncrb2971	8361	ncrb3095
8138	ncrb2692	8194	ncrb2775	8250	ncrb2864	8306	ncrb2973	8362	ncrb3096
8139	ncrb2693	8195	ncrb2777	8251	ncrb2865	8307	ncrb2976	8363	ncrb3097
8140	ncrb2696	8196	ncrb2778	8252	ncrb2867	8308	ncrb2979	8364	ncrb3098
8141	ncrb2697	8197	ncrb2779	8253	ncrb2868	8309	ncrb2980	8365	ncrb3101
8142	ncrb2699	8198	ncrb2780	8254	ncrb2869	8310	ncrb2983	8366	ncrb3104
8143	ncrb2700	8199	ncrb2781	8255	ncrb2870	8311	ncrb2991	8367	ncrb3105
8144	ncrb2701	8200	ncrb2783	8256	ncrb2871	8312	ncrb2992	8368	ncrb3107
8145	ncrb2703	8201	ncrb2784	8257	ncrb2873	8313	ncrb2997	8369	ncrb3108
8146	ncrb2704	8202	ncrb2787	8258	ncrb2874	8314	ncrb3000	8370	ncrb3112
8147	ncrb2709	8203	ncrb2788	8259	ncrb2875	8315	ncrb3001	8371	ncrb3114
8148	ncrb2711	8204	ncrb2792	8260	ncrb2880	8316	ncrb3002	8372	ncrb3115
8149	ncrb2712	8205	ncrb2795	8261	ncrb2883	8317	ncrb3003	8373	ncrb3119
8150	ncrb2713	8206	ncrb2796	8262	ncrb2884	8318	ncrb3005	8374	ncrb3120
8151	ncrb2715	8207	ncrb2797	8263	ncrb2887	8319	ncrb3007	8375	ncrb3121
8152	ncrb2716	8208	ncrb2798	8264	ncrb2888	8320	ncrb3008	8376	ncrb3122
8153	ncrb2717	8209	ncrb2799	8265	ncrb2892	8321	ncrb3010	8377	ncrb3123
8154	ncrb2719	8210	ncrb2800	8266	ncrb2897	8322	ncrb3011	8378	ncrb3124
8155	ncrb2720	8211	ncrb2801	8267	ncrb2900	8323	ncrb3013	8379	ncrb3126
8156	ncrb2722	8212	ncrb2803	8268	ncrb2903	8324	ncrb3014	8380	ncrb3127
8157	ncrb2724	8213	ncrb2804	8269	ncrb2906	8325	ncrb3015	8381	ncrb3128
8158	ncrb2725	8214	ncrb2807	8270	ncrb2908	8326	ncrb3016	8382	ncrb3129
8159	ncrb2726	8215	ncrb2808	8271	ncrb2909	8327	ncrb3018	8383	ncrb3130
8160	ncrb2727	8216	ncrb2809	8272	ncrb2912	8328	ncrb3020	8384	ncrb3131
8161	ncrb2728	8217	ncrb2812	8273	ncrb2914	8329	ncrb3021	8385	ncrb3134
8162	ncrb2730	8218	ncrb2813	8274	ncrb2916	8330	ncrb3023	8386	ncrb3135
8163	ncrb2732	8219	ncrb2817	8275	ncrb2917	8331	ncrb3024	8387	ncrb3136
8164	ncrb2735	8220	ncrb2818	8276	ncrb2918	8332	ncrb3025	8388	ncrb3140
8165	ncrb2736	8221	ncrb2820	8277	ncrb2922	8333	ncrb3026	8389	ncrb3141
8166	ncrb2738	8222	ncrb2821	8278	ncrb2924	8334	ncrb3028	8390	ncrb3142
8167	ncrb2739	8223	ncrb2826	8279	ncrb2928	8335	ncrb3029	8391	ncrb3143
8168	ncrb2740	8224	ncrb2831	8280	ncrb2929	8336	ncrb3031	8392	ncrb3144
8169	ncrb2741	8225	ncrb2832	8281	ncrb2930	8337	ncrb3032	8393	ncrb3147
8170	ncrb2742	8226	ncrb2833	8282	ncrb2932	8338	ncrb3035	8394	ncrb3148
8171	ncrb2743	8227	ncrb2834	8283	ncrb2933	8339	ncrb3037	8395	ncrb3149
8172	ncrb2744	8228	ncrb2835	8284	ncrb2934	8340	ncrb3038	8396	ncrb3150
8173	ncrb2745	8229	ncrb2836	8285	ncrb2935	8341	ncrb3045	8397	ncrb3151
8174	ncrb2746	8230	ncrb2838	8286	ncrb2938	8342	ncrb3046	8398	ncrb3152
8175	ncrb2747	8231	ncrb2839	8287	ncrb2939	8343	ncrb3047	8399	ncrb3153
8176	ncrb2748	8232	ncrb2840	8288	ncrb2941	8344	ncrb3048	8400	ncrb3156



Figure 6C - Continued

8401	ncrb3157	8457	ncrb3245	8513	ncrb3337	8569	ncrb3426	8625	ncrb3514
8402	ncrb3158	8458	ncrb3248	8514	ncrb3338	8570	ncrb3427	8626	ncrb3516
8403	ncrb3160	8459	ncrb3249	8515	ncrb3339	8571	ncrb3429	8627	ncrb3517
8404	ncrb3162	8460	ncrb3251	8516	ncrb3340	8572	ncrb3430	8628	ncrb3519
8405	ncrb3163	8461	ncrb3252	8517	ncrb3341	8573	ncrb3431	8629	ncrb3520
8406	ncrb3164	8462	ncrb3254	8518	ncrb3344	8574	ncrb3432	8630	ncrb3521
8407	ncrb3165	8463	ncrb3255	8519	ncrb3345	8575	ncrb3434	8631	ncrb3522
8408	ncrb3166	8464	ncrb3256	8520	ncrb3348	8576	ncrb3436	8632	ncrb3524
8409	ncrb3167	8465	ncrb3258	8521	ncrb3349	8577	ncrb3437	8633	ncrb3527
8410	ncrb3168	8466	ncrb3261	8522	ncrb3350	8578	ncrb3438	8634	ncrb3528
8411	ncrb3171	8467	ncrb3263	8523	ncrb3352	8579	ncrb3439	8635	ncrb3532
8412	ncrb3172	8468	ncrb3264	8524	ncrb3354	8580	ncrb3440	8636	ncrb3533
8413	ncrb3173	8469	ncrb3267	8525	ncrb3355	8581	ncrb3441	8637	ncrb3534
8414	ncrb3176	8470	ncrb3268	8526	ncrb3356	8582	ncrb3442	8638	ncrb3535
8415	ncrb3177	8471	ncrb3271	8527	ncrb3359	8583	ncrb3443	8639	ncrb3536
8416	ncrb3180	8472	ncrb3275	8528	ncrb3360	8584	ncrb3444	8640	ncrb3537
8417	ncrb3182	8473	ncrb3276	8529	ncrb3362	8585	ncrb3445	8641	ncrb3539
8418	ncrb3183	8474	ncrb3277	8530	ncrb3363	8586	ncrb3446	8642	ncrb3540
8419	ncrb3184	8475	ncrb3281	8531	ncrb3369	8587	ncrb3449	8643	ncrb3541
8420	ncrb3185	8476	ncrb3284	8532	ncrb3370	8588	ncrb3450	8644	ncrb3542
8421	ncrb3188	8477	ncrb3285	8533	ncrb3371	8589	ncrb3451	8645	ncrb3544
8422	ncrb3192	8478	ncrb3287	8534	ncrb3373	8590	ncrb3452	8646	ncrb3547
8423	ncrb3197	8479	ncrb3288	8535	ncrb3376	8591	ncrb3453	8647	ncrb3548
8424	ncrb3199	8480	ncrb3289	8536	ncrb3377	8592	ncrb3454	8648	ncrb3549
8425	ncrb3200	8481	ncrb3291	8537	ncrb3379	8593	ncrb3455	8649	ncrb3550
8426	ncrb3202	8482	ncrb3298	8538	ncrb3380	8594	ncrb3459	8650	ncrb3551
8427	ncrb3203	8483	ncrb3299	8539	ncrb3381	8595	ncrb3460	8651	ncrb3552
8428	ncrb3204	8484	ncrb3300	8540	ncrb3384	8596	ncrb3463	8652	ncrb3555
8429	ncrb3205	8485	ncrb3301	8541	ncrb3385	8597	ncrb3464	8653	ncrb3557
8430	ncrb3207	8486	ncrb3302	8542	ncrb3386	8598	ncrb3468	8654	ncrb3559
8431	ncrb3211	8487	ncrb3304	8543	ncrb3388	8599	ncrb3469	8655	ncrb3560
8432	ncrb3212	8488	ncrb3306	8544	ncrb3389	8600	ncrb3471	8656	ncrb3563
8433	ncrb3213	8489	ncrb3307	8545	ncrb3390	8601	ncrb3475	8657	ncrb3564
8434	ncrb3215	8490	ncrb3309	8546	ncrb3391	8602	ncrb3476	8658	ncrb3567
8435	ncrb3216	8491	ncrb3313	8547	ncrb3392	8603	ncrb3477	8659	ncrb3568
8436	ncrb3217	8492	ncrb3314	8548	ncrb3393	8604	ncrb3481	8660	ncrb3569
8437	ncrb3218	8493	ncrb3315	8549	ncrb3394	8605	ncrb3482	8661	ncrb3572
8438	ncrb3220	8494	ncrb3316	8550	ncrb3396	8606	ncrb3483	8662	ncrb3573
8439	ncrb3221	8495	ncrb3317	8551	ncrb3397	8607	ncrb3484	8663	ncrb3574
8440	ncrb3222	8496	ncrb3318	8552	ncrb3398	8608	ncrb3486	8664	ncrb3576
8441	ncrb3224	8497	ncrb3319	8553	ncrb3400	8609	ncrb3488	8665	ncrb3577
8442	ncrb3225	8498	ncrb3320	8554	ncrb3402	8610	ncrb3492	8666	ncrb3578
8443	ncrb3226	8499	ncrb3321	8555	ncrb3403	8611	ncrb3495	8667	ncrb3579
8444	ncrb3227	8500	ncrb3322	8556	ncrb3404	8612	ncrb3496	8668	ncrb3580
8445	ncrb3229	8501	ncrb3324	8557	ncrb3408	8613	ncrb3498	8669	ncrb3581
8446	ncrb3230	8502	ncrb3325	8558	ncrb3409	8614	ncrb3500	8670	ncrb3583
8447	ncrb3232	8503	ncrb3326	8559	ncrb3410	8615	ncrb3501	8671	ncrb3584
8448	ncrb3233	8504	ncrb3327	8560	ncrb3414	8616	ncrb3503	8672	ncrb3585
8449	ncrb3234	8505	ncrb3328	8561	ncrb3415	8617	ncrb3504	8673	ncrb3586
8450	ncrb3235	8506	ncrb3329	8562	ncrb3417	8618	ncrb3506	8674	ncrb3587
8451	ncrb3236	8507	ncrb3330	8563	ncrb3418	8619	ncrb3507	8675	ncrb3588
8452	ncrb3237	8508	ncrb3331	8564	ncrb3421	8620	ncrb3509	8676	ncrb3589
8453	ncrb3238	8509	ncrb3332	8565	ncrb3422	8621	ncrb3510	8677	ncrb3590
8454	ncrb3240	8510	ncrb3333	8566	ncrb3423	8622	ncrb3511	8678	ncrb3595
8455	ncrb3241	8511	ncrb3334	8567	ncrb3424	8623	ncrb3512	8679	ncrb3596
8456	ncrb3243	8512	ncrb3335	8568	ncrb3425	8624	ncrb3513	8680	ncrb3597

Figure 6C -- Continued

8681	ncrb3599	8737	ncrb3765	8793	ncrb3890	8849	ncrb3990	8905	ncrb4084
8682	ncrb3602	8738	ncrb3766	8794	ncrb3891	8850	ncrb3991	8906	ncrb4085
8683	ncrb3603	8739	ncrb3768	8795	ncrb3893	8851	ncrb3992	8907	ncrb4086
8684	ncrb3604	8740	ncrb3770	8796	ncrb3894	8852	ncrb3993	8908	ncrb4087
8685	ncrb3605	8741	ncrb3772	8797	ncrb3895	8853	ncrb3995	8909	ncrb4088
8686	ncrb3607	8742	ncrb3776	8798	ncrb3896	8854	ncrb3996	8910	ncrb4089
8687	ncrb3608	8743	ncrb3782	8799	ncrb3900	8855	ncrb3997	8911	ncrb4091
8688	ncrb3609	8744	ncrb3783	8800	ncrb3902	8856	ncrb3998	8912	ncrb4092
8689	ncrb3610	8745	ncrb3784	8801	ncrb3903	8857	ncrb3999	8913	ncrb4093
8690	ncrb3611	8746	ncrb3792	8802	ncrb3907	8858	ncrb4000	8914	ncrb4094
8691	ncrb3612	8747	ncrb3793	8803	ncrb3908	8859	ncrb4001	8915	ncrb4095
8692	ncrb3613	8748	ncrb3796	8804	ncrb3910	8860	ncrb4002	8916	ncrb4097
8693	ncrb3618	8749	ncrb3797	8805	ncrb3912	8861	ncrb4003	8917	ncrb4098
8694	ncrb3619	8750	ncrb3798	8806	ncrb3913	8862	ncrb4004	8918	ncrb4100
8695	ncrb3620	8751	ncrb3799	8807	ncrb3916	8863	ncrb4006	8919	ncrb4101
8696	ncrb3621	8752	ncrb3804	8808	ncrb3917	8864	ncrb4007	8920	ncrb4102
8697	ncrb3623	8753	ncrb3805	8809	ncrb3919	8865	ncrb4008	8921	ncrb4103
8698	ncrb3624	8754	ncrb3812	8810	ncrb3924	8866	ncrb4009	8922	ncrb4104
8699	ncrb3625	8755	ncrb3813	8811	ncrb3926	8867	ncrb4011	8923	ncrb4105
8700	ncrb3626	8756	ncrb3815	8812	ncrb3928	8868	ncrb4014	8924	ncrb4106
8701	ncrb3627	8757	ncrb3816	8813	ncrb3929	8869	ncrb4015	8925	ncrb4108
8702	ncrb3628	8758	ncrb3821	8814	ncrb3931	8870	ncrb4019	8926	ncrb4109
8703	ncrb3629	8759	ncrb3823	8815	ncrb3932	8871	ncrb4021	8927	ncrb4111
8704	ncrb3630	8760	ncrb3829	8816	ncrb3933	8872	ncrb4022	8928	ncrb4112
8705	ncrb3633	8761	ncrb3841	8817	ncrb3934	8873	ncrb4023	8929	ncrb4116
8706	ncrb3636	8762	ncrb3843	8818	ncrb3935	8874	ncrb4025	8930	ncrb4117
8707	ncrb3637	8763	ncrb3844	8819	ncrb3936	8875	ncrb4027	8931	ncrb4118
8708	ncrb3638	8764	ncrb3845	8820	ncrb3940	8876	ncrb4030	8932	ncrb4119
8709	ncrb3641	8765	ncrb3847	8821	ncrb3941	8877	ncrb4031	8933	ncrb4120
8710	ncrb3646	8766	ncrb3848	8822	ncrb3942	8878	ncrb4032	8934	ncrb4121
8711	ncrb3647	8767	ncrb3850	8823	ncrb3943	8879	ncrb4035	8935	ncrb4122
8712	ncrb3648	8768	ncrb3851	8824	ncrb3944	8880	ncrb4037	8936	ncrb4123
8713	ncrb3660	8769	ncrb3852	8825	ncrb3945	8881	ncrb4039	8937	ncrb4125
8714	ncrb3663	8770	ncrb3853	8826	ncrb3947	8882	ncrb4041	8938	ncrb4126
8715	ncrb3669	8771	ncrb3854	8827	ncrb3948	8883	ncrb4044	8939	ncrb4127
8716	ncrb3672	8772	ncrb3855	8828	ncrb3949	8884	ncrb4045	8940	ncrb4128
8717	ncrb3676	8773	ncrb3856	8829	ncrb3950	8885	ncrb4047	8941	ncrb4131
8718	ncrb3677	8774	ncrb3859	8830	ncrb3951	8886	ncrb4048	8942	ncrb4132
8719	ncrb3679	8775	ncrb3860	8831	ncrb3953	8887	ncrb4053	8943	ncrb4133
8720	ncrb3680	8776	ncrb3861	8832	ncrb3955	8888	ncrb4055	8944	ncrb4135
8721	ncrb3681	8777	ncrb3863	8833	ncrb3957	8889	ncrb4056	8945	ncrb4136
8722	ncrb3683	8778	ncrb3864	8834	ncrb3959	8890	ncrb4057	8946	ncrb4139
8723	ncrb3684	8779	ncrb3866	8835	ncrb3960	8891	ncrb4059	8947	ncrb4140
8724	ncrb3685	8780	ncrb3867	8836	ncrb3965	8892	ncrb4061	8948	ncrb4141
8725	ncrb3686	8781	ncrb3872	8837	ncrb3967	8893	ncrb4063	8949	ncrb4143
8726	ncrb3687	8782	ncrb3873	8838	ncrb3969	8894	ncrb4065	8950	ncrb4144
8727	ncrb3692	8783	ncrb3875	8839	ncrb3973	8895	ncrb4067	8951	ncrb4145
8728	ncrb3693	8784	ncrb3876	8840	ncrb3975	8896	ncrb4068	8952	ncrb4149
8729	ncrb3695	8785	ncrb3877	8841	ncrb3980	8897	ncrb4072	8953	ncrb4153
8730	ncrb3700	8786	ncrb3878	8842	ncrb3981	8898	ncrb4074	8954	ncrb4154
8731	ncrb3702	8787	ncrb3879	8843	ncrb3984	8899	ncrb4076	8955	ncrb4155
8732	ncrb3703	8788	ncrb3880	8844	ncrb3985	8900	ncrb4077	8956	ncrb4156
8733	ncrb3708	8789	ncrb3882	8845	ncrb3986	8901	ncrb4079	8957	ncrb4157
8734	ncrb3712	8790	ncrb3883	8846	ncrb3987	8902	ncrb4080	8958	ncrb4161
8735	ncrb3758	8791	ncrb3887	8847	ncrb3988	8903	ncrb4081	8959	ncrb4165
8736	ncrb3760	8792	ncrb3888	8848	ncrb3989	8904	ncrb4083	8960	ncrb4166

Figure 6C -- Continued

8961	ncrb4168	9017	ncrb4250	9073	ncrb4340	9129	ncrb4437	9185	ncrb4507
8962	ncrb4170	9018	ncrb4251	9074	ncrb4341	9130	ncrb4439	9186	ncrb4509
8963	ncrb4171	9019	ncrb4252	9075	ncrb4343	9131	ncrb4440	9187	ncrb4511
8964	ncrb4172	9020	ncrb4253	9076	ncrb4344	9132	ncrb4441	9188	ncrb4512
8965	ncrb4173	9021	ncrb4254	9077	ncrb4347	9133	ncrb4442	9189	ncrb4515
8966	ncrb4175	9022	ncrb4255	9078	ncrb4349	9134	ncrb4443	9190	ncrb4517
8967	ncrb4177	9023	ncrb4256	9079	ncrb4351	9135	ncrb4444	9191	ncrb4520
8968	ncrb4178	9024	ncrb4259	9080	ncrb4352	9136	ncrb4445	9192	ncrb4523
8969	ncrb4180	9025	ncrb4260	9081	ncrb4353	9137	ncrb4447	9193	ncrb4525
8970	ncrb4181	9026	ncrb4261	9082	ncrb4355	9138	ncrb4448	9194	ncrb4527
8971	ncrb4182	9027	ncrb4262	9083	ncrb4356	9139	ncrb4449	9195	ncrb4528
8972	ncrb4183	9028	ncrb4264	9084	ncrb4358	9140	ncrb4451	9196	ncrb4529
8973	ncrb4187	9029	ncrb4266	9085	ncrb4359	9141	ncrb4452	9197	ncrb4531
8974	ncrb4188	9030	ncrb4267	9086	ncrb4360	9142	ncrb4453	9198	ncrb4532
8975	ncrb4189	9031	ncrb4269	9087	ncrb4362	9143	ncrb4456	9199	ncrb4535
8976	ncrb4190	9032	ncrb4271	9088	ncrb4365	9144	ncrb4458	9200	ncrb4536
8977	ncrb4191	9033	ncrb4272	9089	ncrb4367	9145	ncrb4459	9201	ncrb4537
8978	ncrb4192	9034	ncrb4273	9090	ncrb4368	9146	ncrb4460	9202	ncrb4538
8979	ncrb4193	9035	ncrb4275	9091	ncrb4370	9147	ncrb4461	9203	ncrb4539
8980	ncrb4194	9036	ncrb4278	9092	ncrb4371	9148	ncrb4464	9204	ncrb4540
8981	ncrb4195	9037	ncrb4279	9093	ncrb4373	9149	ncrb4465	9205	ncrb4541
8982	ncrb4196	9038	ncrb4280	9094	ncrb4375	9150	ncrb4466	9206	ncrb4543
8983	ncrb4198	9039	ncrb4282	9095	ncrb4376	9151	ncrb4467	9207	ncrb4544
8984	ncrb4199	9040	ncrb4283	9096	ncrb4377	9152	ncrb4468	9208	ncrb4547
8985	ncrb4200	9041	ncrb4284	9097	ncrb4378	9153	ncrb4469	9209	ncrb4548
8986	ncrb4201	9042	ncrb4285	9098	ncrb4380	9154	ncrb4470	9210	ncrb4549
8987	ncrb4202	9043	ncrb4287	9099	ncrb4383	9155	ncrb4471	9211	ncrb4551
8988	ncrb4203	9044	ncrb4288	9100	ncrb4384	9156	ncrb4472	9212	ncrb4552
8989	ncrb4204	9045	ncrb4290	9101	ncrb4385	9157	ncrb4473	9213	ncrb4554
8990	ncrb4206	9046	ncrb4291	9102	ncrb4386	9158	ncrb4474	9214	ncrb4555
8991	ncrb4207	9047	ncrb4292	9103	ncrb4390	9159	ncrb4475	9215	ncrb4556
8992	ncrb4209	9048	ncrb4293	9104	ncrb4391	9160	ncrb4476	9216	ncrb4557
8993	ncrb4210	9049	ncrb4296	9105	ncrb4392	9161	ncrb4477	9217	ncrb4559
8994	ncrb4211	9050	ncrb4297	9106	ncrb4393	9162	ncrb4478	9218	ncrb4560
8995	ncrb4212	9051	ncrb4302	9107	ncrb4395	9163	ncrb4479	9219	ncrb4561
8996	ncrb4213	9052	ncrb4303	9108	ncrb4396	9164	ncrb4480	9220	ncrb4562
8997	ncrb4215	9053	ncrb4304	9109	ncrb4398	9165	ncrb4481	9221	ncrb4563
8998	ncrb4216	9054	ncrb4305	9110	ncrb4399	9166	ncrb4482	9222	ncrb4564
8999	ncrb4217	9055	ncrb4306	9111	ncrb4402	9167	ncrb4483	9223	ncrb4565
9000	ncrb4218	9056	ncrb4308	9112	ncrb4405	9168	ncrb4484	9224	ncrb4566
9001	ncrb4220	9057	ncrb4309	9113	ncrb4406	9169	ncrb4485	9225	ncrb4567
9002	ncrb4221	9058	ncrb4310	9114	ncrb4407	9170	ncrb4486	9226	ncrb4569
9003	ncrb4224	9059	ncrb4313	9115	ncrb4408	9171	ncrb4487	9227	ncrb4570
9004	ncrb4226	9060	ncrb4314	9116	ncrb4410	9172	ncrb4488	9228	ncrb4572
9005	ncrb4227	9061	ncrb4315	9117	ncrb4414	9173	ncrb4489	9229	ncrb4573
9006	ncrb4228	9062	ncrb4316	9118	ncrb4419	9174	ncrb4490	9230	ncrb4575
9007	ncrb4232	9063	ncrb4317	9119	ncrb4421	9175	ncrb4491	9231	ncrb4576
9008	ncrb4234	9064	ncrb4319	9120	ncrb4423	9176	ncrb4493	9232	ncrb4578
9009	ncrb4235	9065	ncrb4320	9121	ncrb4424	9177	ncrb4495	9233	ncrb4579
9010	ncrb4237	9066	ncrb4327	9122	ncrb4427	9178	ncrb4496	9234	ncrb4580
9011	ncrb4240	9067	ncrb4328	9123	ncrb4428	9179	ncrb4497	9235	ncrb4581
9012	ncrb4243	9068	ncrb4331	9124	ncrb4429	9180	ncrb4502	9236	ncrb4583
9013	ncrb4244	9069	ncrb4335	9125	ncrb4431	9181	ncrb4503	9237	ncrb4584
9014	ncrb4245	9070	ncrb4336	9126	ncrb4432	9182	ncrb4504	9238	ncrb4587
9015	ncrb4248	9071	ncrb4337	9127	ncrb4433	9183	ncrb4505	9239	ncrb4588
9016	ncrb4249	9072	ncrb4339	9128	ncrb4435	9184	ncrb4506	9240	ncrb4589

Figure 6C – Continued

9241	ncrb4590	9297	ncrb4677	9353	ncrb4776	9409	ncrb4875	9465	ncrb4957
9242	ncrb4591	9298	ncrb4678	9354	ncrb4777	9410	ncrb4876	9466	ncrb4958
9243	ncrb4592	9299	ncrb4679	9355	ncrb4778	9411	ncrb4877	9467	ncrb4960
9244	ncrb4593	9300	ncrb4680	9356	ncrb4779	9412	ncrb4878	9468	ncrb4961
9245	ncrb4595	9301	ncrb4681	9357	ncrb4780	9413	ncrb4879	9469	ncrb4962
9246	ncrb4596	9302	ncrb4685	9358	ncrb4781	9414	ncrb4880	9470	ncrb4963
9247	ncrb4597	9303	ncrb4687	9359	ncrb4782	9415	ncrb4881	9471	ncrb4965
9248	ncrb4598	9304	ncrb4691	9360	ncrb4784	9416	ncrb4883	9472	ncrb4966
9249	ncrb4600	9305	ncrb4693	9361	ncrb4789	9417	ncrb4885	9473	ncrb4969
9250	ncrb4601	9306	ncrb4694	9362	ncrb4790	9418	ncrb4886	9474	ncrb4971
9251	ncrb4603	9307	ncrb4695	9363	ncrb4792	9419	ncrb4887	9475	ncrb4972
9252	ncrb4605	9308	ncrb4696	9364	ncrb4793	9420	ncrb4888	9476	ncrb4973
9253	ncrb4606	9309	ncrb4697	9365	ncrb4794	9421	ncrb4889	9477	ncrb4975
9254	ncrb4607	9310	ncrb4699	9366	ncrb4795	9422	ncrb4890	9478	ncrb4976
9255	ncrb4612	9311	ncrb4700	9367	ncrb4796	9423	ncrb4891	9479	ncrb4977
9256	ncrb4613	9312	ncrb4701	9368	ncrb4798	9424	ncrb4892	9480	ncrb4979
9257	ncrb4615	9313	ncrb4703	9369	ncrb4799	9425	ncrb4893	9481	ncrb4980
9258	ncrb4617	9314	ncrb4704	9370	ncrb4800	9426	ncrb4894	9482	ncrb4981
9259	ncrb4619	9315	ncrb4707	9371	ncrb4803	9427	ncrb4899	9483	ncrb4982
9260	ncrb4620	9316	ncrb4708	9372	ncrb4804	9428	ncrb4901	9484	ncrb4983
9261	ncrb4621	9317	ncrb4709	9373	ncrb4805	9429	ncrb4903	9485	ncrb4984
9262	ncrb4622	9318	ncrb4711	9374	ncrb4807	9430	ncrb4904	9486	ncrb4986
9263	ncrb4623	9319	ncrb4713	9375	ncrb4808	9431	ncrb4905	9487	ncrb4987
9264	ncrb4627	9320	ncrb4715	9376	ncrb4813	9432	ncrb4907	9488	ncrb4988
9265	ncrb4628	9321	ncrb4717	9377	ncrb4816	9433	ncrb4908	9489	ncrb4989
9266	ncrb4629	9322	ncrb4719	9378	ncrb4817	9434	ncrb4909	9490	ncrb4990
9267	ncrb4631	9323	ncrb4720	9379	ncrb4819	9435	ncrb4911	9491	ncrb4991
9268	ncrb4632	9324	ncrb4723	9380	ncrb4820	9436	ncrb4912	9492	ncrb4992
9269	ncrb4633	9325	ncrb4724	9381	ncrb4821	9437	ncrb4916	9493	ncrb4995
9270	ncrb4634	9326	ncrb4725	9382	ncrb4823	9438	ncrb4917	9494	ncrb4996
9271	ncrb4635	9327	ncrb4729	9383	ncrb4825	9439	ncrb4918	9495	ncrb4997
9272	ncrb4636	9328	ncrb4730	9384	ncrb4826	9440	ncrb4919	9496	ncrb4999
9273	ncrb4637	9329	ncrb4731	9385	ncrb4829	9441	ncrb4920	9497	ncrb5000
9274	ncrb4639	9330	ncrb4733	9386	ncrb4832	9442	ncrb4921	9498	ncrb5003
9275	ncrb4641	9331	ncrb4736	9387	ncrb4835	9443	ncrb4923	9499	ncrb5004
9276	ncrb4643	9332	ncrb4738	9388	ncrb4836	9444	ncrb4927	9500	ncrb5005
9277	ncrb4644	9333	ncrb4741	9389	ncrb4839	9445	ncrb4929	9501	ncrb5006
9278	ncrb4645	9334	ncrb4744	9390	ncrb4840	9446	ncrb4931	9502	ncrb5007
9279	ncrb4648	9335	ncrb4747	9391	ncrb4843	9447	ncrb4932	9503	ncrb5008
9280	ncrb4650	9336	ncrb4749	9392	ncrb4845	9448	ncrb4933	9504	ncrb5011
9281	ncrb4651	9337	ncrb4751	9393	ncrb4847	9449	ncrb4934	9505	ncrb5013
9282	ncrb4652	9338	ncrb4753	9394	ncrb4849	9450	ncrb4935	9506	ncrb5015
9283	ncrb4653	9339	ncrb4754	9395	ncrb4850	9451	ncrb4936	9507	ncrb5016
9284	ncrb4656	9340	ncrb4756	9396	ncrb4852	9452	ncrb4938	9508	ncrb5017
9285	ncrb4659	9341	ncrb4757	9397	ncrb4853	9453	ncrb4939	9509	ncrb5018
9286	ncrb4660	9342	ncrb4760	9398	ncrb4856	9454	ncrb4941	9510	ncrb5019
9287	ncrb4661	9343	ncrb4761	9399	ncrb4857	9455	ncrb4943	9511	ncrb5020
9288	ncrb4662	9344	ncrb4762	9400	ncrb4859	9456	ncrb4944	9512	ncrb5021
9289	ncrb4663	9345	ncrb4763	9401	ncrb4861	9457	ncrb4945	9513	ncrb5023
9290	ncrb4667	9346	ncrb4764	9402	ncrb4865	9458	ncrb4946	9514	ncrb5024
9291	ncrb4668	9347	ncrb4766	9403	ncrb4866	9459	ncrb4948	9515	ncrb5027
9292	ncrb4669	9348	ncrb4767	9404	ncrb4867	9460	ncrb4950	9516	ncrb5028
9293	ncrb4671	9349	ncrb4768	9405	ncrb4869	9461	ncrb4951	9517	ncrb5030
9294	ncrb4672	9350	ncrb4769	9406	ncrb4870	9462	ncrb4952	9518	ncrb5031
9295	ncrb4673	9351	ncrb4771	9407	ncrb4871	9463	ncrb4953	9519	ncrb5032
9296	ncrb4675	9352	ncrb4773	9408	ncrb4874	9464	ncrb4955	9520	ncrb5035

Figure 6C -- Continued

9521	ncrb5036	9577	ncrb5121	9633	ncrb5197	9689	ncrb5276	9745	ncrb5362
9522	ncrb5037	9578	ncrb5123	9634	ncrb5199	9690	ncrb5277	9746	ncrb5363
9523	ncrb5039	9579	ncrb5124	9635	ncrb5200	9691	ncrb5279	9747	ncrb5364
9524	ncrb5040	9580	ncrb5126	9636	ncrb5201	9692	ncrb5280	9748	ncrb5368
9525	ncrb5042	9581	ncrb5128	9637	ncrb5203	9693	ncrb5281	9749	ncrb5371
9526	ncrb5043	9582	ncrb5130	9638	ncrb5204	9694	ncrb5282	9750	ncrb5373
9527	ncrb5044	9583	ncrb5131	9639	ncrb5209	9695	ncrb5283	9751	ncrb5374
9528	ncrb5045	9584	ncrb5133	9640	ncrb5210	9696	ncrb5284	9752	ncrb5375
9529	ncrb5046	9585	ncrb5135	9641	ncrb5211	9697	ncrb5288	9753	ncrb5376
9530	ncrb5048	9586	ncrb5136	9642	ncrb5213	9698	ncrb5289	9754	ncrb5377
9531	ncrb5049	9587	ncrb5139	9643	ncrb5215	9699	ncrb5291	9755	ncrb5378
9532	ncrb5050	9588	ncrb5140	9644	ncrb5216	9700	ncrb5292	9756	ncrb5379
9533	ncrb5051	9589	ncrb5141	9645	ncrb5220	9701	ncrb5295	9757	ncrb5380
9534	ncrb5052	9590	ncrb5142	9646	ncrb5222	9702	ncrb5296	9758	ncrb5384
9535	ncrb5053	9591	ncrb5143	9647	ncrb5223	9703	ncrb5297	9759	ncrb5385
9536	ncrb5055	9592	ncrb5145	9648	ncrb5224	9704	ncrb5299	9760	ncrb5388
9537	ncrb5058	9593	ncrb5146	9649	ncrb5227	9705	ncrb5300	9761	ncrb5395
9538	ncrb5059	9594	ncrb5147	9650	ncrb5228	9706	ncrb5301	9762	ncrb5396
9539	ncrb5060	9595	ncrb5148	9651	ncrb5229	9707	ncrb5303	9763	ncrb5397
9540	ncrb5062	9596	ncrb5150	9652	ncrb5231	9708	ncrb5304	9764	ncrb5399
9541	ncrb5063	9597	ncrb5151	9653	ncrb5232	9709	ncrb5305	9765	ncrb5400
9542	ncrb5065	9598	ncrb5152	9654	ncrb5233	9710	ncrb5306	9766	ncrb5401
9543	ncrb5067	9599	ncrb5153	9655	ncrb5234	9711	ncrb5307	9767	ncrb5402
9544	ncrb5068	9600	ncrb5154	9656	ncrb5235	9712	ncrb5309	9768	ncrb5403
9545	ncrb5069	9601	ncrb5155	9657	ncrb5237	9713	ncrb5311	9769	ncrb5404
9546	ncrb5073	9602	ncrb5156	9658	ncrb5238	9714	ncrb5312	9770	ncrb5407
9547	ncrb5075	9603	ncrb5157	9659	ncrb5239	9715	ncrb5315	9771	ncrb5409
9548	ncrb5076	9604	ncrb5158	9660	ncrb5240	9716	ncrb5316	9772	ncrb5411
9549	ncrb5077	9605	ncrb5159	9661	ncrb5241	9717	ncrb5319	9773	ncrb5415
9550	ncrb5079	9606	ncrb5160	9662	ncrb5242	9718	ncrb5321	9774	ncrb5416
9551	ncrb5080	9607	ncrb5161	9663	ncrb5243	9719	ncrb5322	9775	ncrb5418
9552	ncrb5083	9608	ncrb5162	9664	ncrb5244	9720	ncrb5323	9776	ncrb5420
9553	ncrb5084	9609	ncrb5163	9665	ncrb5245	9721	ncrb5326	9777	ncrb5422
9554	ncrb5085	9610	ncrb5164	9666	ncrb5246	9722	ncrb5327	9778	ncrb5423
9555	ncrb5086	9611	ncrb5165	9667	ncrb5247	9723	ncrb5328	9779	ncrb5424
9556	ncrb5088	9612	ncrb5166	9668	ncrb5248	9724	ncrb5329	9780	ncrb5425
9557	ncrb5090	9613	ncrb5168	9669	ncrb5249	9725	ncrb5332	9781	ncrb5427
9558	ncrb5091	9614	ncrb5169	9670	ncrb5250	9726	ncrb5333	9782	ncrb5428
9559	ncrb5092	9615	ncrb5171	9671	ncrb5251	9727	ncrb5335	9783	ncrb5430
9560	ncrb5094	9616	ncrb5172	9672	ncrb5253	9728	ncrb5336	9784	ncrb5431
9561	ncrb5095	9617	ncrb5173	9673	ncrb5254	9729	ncrb5337	9785	ncrb5432
9562	ncrb5096	9618	ncrb5174	9674	ncrb5255	9730	ncrb5339	9786	ncrb5433
9563	ncrb5099	9619	ncrb5175	9675	ncrb5257	9731	ncrb5340	9787	ncrb5434
9564	ncrb5100	9620	ncrb5176	9676	ncrb5258	9732	ncrb5341	9788	ncrb5437
9565	ncrb5103	9621	ncrb5179	9677	ncrb5259	9733	ncrb5343	9789	ncrb5438
9566	ncrb5104	9622	ncrb5180	9678	ncrb5260	9734	ncrb5344	9790	ncrb5439
9567	ncrb5105	9623	ncrb5181	9679	ncrb5263	9735	ncrb5345	9791	ncrb5443
9568	ncrb5107	9624	ncrb5182	9680	ncrb5264	9736	ncrb5350	9792	ncrb5445
9569	ncrb5108	9625	ncrb5183	9681	ncrb5265	9737	ncrb5351	9793	ncrb5446
9570	ncrb5109	9626	ncrb5185	9682	ncrb5267	9738	ncrb5353	9794	ncrb5447
9571	ncrb5111	9627	ncrb5187	9683	ncrb5268	9739	ncrb5354	9795	ncrb5448
9572	ncrb5112	9628	ncrb5189	9684	ncrb5269	9740	ncrb5355	9796	ncrb5449
9573	ncrb5113	9629	ncrb5192	9685	ncrb5270	9741	ncrb5356	9797	ncrb5450
9574	ncrb5116	9630	ncrb5193	9686	ncrb5271	9742	ncrb5358	9798	ncrb5452
9575	ncrb5117	9631	ncrb5195	9687	ncrb5272	9743	ncrb5360	9799	ncrb5455
9576	ncrb5119	9632	ncrb5196	9688	ncrb5275	9744	ncrb5361	9800	ncrb5458

Figure 6C - Continued

9801	ncrb5459	9857	ncrb5548	9913	ncrb5633	9969	ncrb5718	10025	ncrb5813
9802	ncrb5460	9858	ncrb5549	9914	ncrb5634	9970	ncrb5721	10026	ncrb5814
9803	ncrb5467	9859	ncrb5550	9915	ncrb5635	9971	ncrb5722	10027	ncrb5815
9804	ncrb5468	9860	ncrb5551	9916	ncrb5636	9972	ncrb5723	10028	ncrb5816
9805	ncrb5469	9861	ncrb5555	9917	ncrb5637	9973	ncrb5724	10029	ncrb5818
9806	ncrb5470	9862	ncrb5556	9918	ncrb5638	9974	ncrb5725	10030	ncrb5821
9807	ncrb5471	9863	ncrb5559	9919	ncrb5639	9975	ncrb5726	10031	ncrb5822
9808	ncrb5476	9864	ncrb5560	9920	ncrb5640	9976	ncrb5727	10032	ncrb5824
9809	ncrb5477	9865	ncrb5565	9921	ncrb5641	9977	ncrb5730	10033	ncrb5826
9810	ncrb5479	9866	ncrb5566	9922	ncrb5642	9978	ncrb5732	10034	ncrb5827
9811	ncrb5480	9867	ncrb5567	9923	ncrb5643	9979	ncrb5733	10035	ncrb5828
9812	ncrb5483	9868	ncrb5569	9924	ncrb5644	9980	ncrb5735	10036	ncrb5829
9813	ncrb5484	9869	ncrb5570	9925	ncrb5645	9981	ncrb5736	10037	ncrb5830
9814	ncrb5485	9870	ncrb5571	9926	ncrb5646	9982	ncrb5737	10038	ncrb5831
9815	ncrb5486	9871	ncrb5575	9927	ncrb5649	9983	ncrb5738	10039	ncrb5832
9816	ncrb5487	9872	ncrb5576	9928	ncrb5650	9984	ncrb5739	10040	ncrb5834
9817	ncrb5488	9873	ncrb5578	9929	ncrb5651	9985	ncrb5741	10041	ncrb5835
9818	ncrb5491	9874	ncrb5579	9930	ncrb5653	9986	ncrb5742	10042	ncrb5837
9819	ncrb5493	9875	ncrb5580	9931	ncrb5656	9987	ncrb5743	10043	ncrb5839
9820	ncrb5496	9876	ncrb5583	9932	ncrb5657	9988	ncrb5745	10044	ncrb5840
9821	ncrb5497	9877	ncrb5584	9933	ncrb5659	9989	ncrb5746	10045	ncrb5842
9822	ncrb5499	9878	ncrb5585	9934	ncrb5660	9990	ncrb5748	10046	ncrb5845
9823	ncrb5500	9879	ncrb5587	9935	ncrb5662	9991	ncrb5749	10047	ncrb5847
9824	ncrb5503	9880	ncrb5588	9936	ncrb5663	9992	ncrb5752	10048	ncrb5853
9825	ncrb5504	9881	ncrb5591	9937	ncrb5665	9993	ncrb5753	10049	ncrb5856
9826	ncrb5507	9882	ncrb5593	9938	ncrb5666	9994	ncrb5754	10050	ncrb5857
9827	ncrb5508	9883	ncrb5594	9939	ncrb5667	9995	ncrb5755	10051	ncrb5858
9828	ncrb5509	9884	ncrb5595	9940	ncrb5673	9996	ncrb5758	10052	ncrb5859
9829	ncrb5510	9885	ncrb5596	9941	ncrb5674	9997	ncrb5759	10053	ncrb5863
9830	ncrb5512	9886	ncrb5597	9942	ncrb5676	9998	ncrb5760	10054	ncrb5865
9831	ncrb5514	9887	ncrb5598	9943	ncrb5679	9999	ncrb5762	10055	ncrb5866
9832	ncrb5517	9888	ncrb5599	9944	ncrb5680	10000	ncrb5763	10056	ncrb5867
9833	ncrb5519	9889	ncrb5600	9945	ncrb5681	10001	ncrb5764	10057	ncrb5868
9834	ncrb5521	9890	ncrb5601	9946	ncrb5683	10002	ncrb5765	10058	ncrb5869
9835	ncrb5522	9891	ncrb5603	9947	ncrb5684	10003	ncrb5766	10059	ncrb5870
9836	ncrb5523	9892	ncrb5605	9948	ncrb5688	10004	ncrb5767	10060	ncrb5871
9837	ncrb5524	9893	ncrb5607	9949	ncrb5689	10005	ncrb5774	10061	ncrb5872
9838	ncrb5525	9894	ncrb5608	9950	ncrb5692	10006	ncrb5779	10062	ncrb5873
9839	ncrb5526	9895	ncrb5609	9951	ncrb5693	10007	ncrb5780	10063	ncrb5874
9840	ncrb5527	9896	ncrb5610	9952	ncrb5694	10008	ncrb5781	10064	ncrb5876
9841	ncrb5528	9897	ncrb5611	9953	ncrb5695	10009	ncrb5783	10065	ncrb5877
9842	ncrb5530	9898	ncrb5612	9954	ncrb5696	10010	ncrb5786	10066	ncrb5880
9843	ncrb5531	9899	ncrb5614	9955	ncrb5697	10011	ncrb5788	10067	ncrb5881
9844	ncrb5532	9900	ncrb5615	9956	ncrb5699	10012	ncrb5789	10068	ncrb5883
9845	ncrb5533	9901	ncrb5616	9957	ncrb5700	10013	ncrb5790	10069	ncrb5884
9846	ncrb5534	9902	ncrb5617	9958	ncrb5701	10014	ncrb5791	10070	ncrb5885
9847	ncrb5535	9903	ncrb5619	9959	ncrb5702	10015	ncrb5792	10071	ncrb5888
9848	ncrb5536	9904	ncrb5620	9960	ncrb5703	10016	ncrb5798	10072	ncrb5889
9849	ncrb5537	9905	ncrb5622	9961	ncrb5704	10017	ncrb5799	10073	ncrb5891
9850	ncrb5539	9906	ncrb5623	9962	ncrb5705	10018	ncrb5800	10074	ncrb5892
9851	ncrb5540	9907	ncrb5624	9963	ncrb5706	10019	ncrb5802	10075	ncrb5895
9852	ncrb5543	9908	ncrb5626	9964	ncrb5707	10020	ncrb5806	10076	ncrb5896
9853	ncrb5544	9909	ncrb5628	9965	ncrb5708	10021	ncrb5807	10077	ncrb5899
9854	ncrb5545	9910	ncrb5630	9966	ncrb5712	10022	ncrb5808	10078	ncrb5900
9855	ncrb5546	9911	ncrb5631	9967	ncrb5715	10023	ncrb5811	10079	ncrb5902
9856	ncrb5547	9912	ncrb5632	9968	ncrb5717	10024	ncrb5812	10080	ncrb5904

Figure 6C - Continued

10081	ncrb5905	10137	ncrb5989	10193	ncrb6076	10249	ncrb6158	10305	ncrb6236
10082	ncrb5909	10138	ncrb5992	10194	ncrb6077	10250	ncrb6159	10306	ncrb6237
10083	ncrb5911	10139	ncrb5994	10195	ncrb6079	10251	ncrb6160	10307	ncrb6238
10084	ncrb5912	10140	ncrb5995	10196	ncrb6083	10252	ncrb6163	10308	ncrb6239
10085	ncrb5913	10141	ncrb5996	10197	ncrb6084	10253	ncrb6164	10309	ncrb6241
10086	ncrb5916	10142	ncrb5999	10198	ncrb6085	10254	ncrb6167	10310	ncrb6245
10087	ncrb5917	10143	ncrb6003	10199	ncrb6087	10255	ncrb6168	10311	ncrb6248
10088	ncrb5918	10144	ncrb6004	10200	ncrb6088	10256	ncrb6169	10312	ncrb6249
10089	ncrb5919	10145	ncrb6006	10201	ncrb6089	10257	ncrb6170	10313	ncrb6251
10090	ncrb5921	10146	ncrb6007	10202	ncrb6090	10258	ncrb6172	10314	ncrb6252
10091	ncrb5922	10147	ncrb6009	10203	ncrb6091	10259	ncrb6174	10315	ncrb6254
10092	ncrb5923	10148	ncrb6010	10204	ncrb6092	10260	ncrb6176	10316	ncrb6257
10093	ncrb5924	10149	ncrb6011	10205	ncrb6095	10261	ncrb6177	10317	ncrb6259
10094	ncrb5925	10150	ncrb6012	10206	ncrb6096	10262	ncrb6179	10318	ncrb6260
10095	ncrb5929	10151	ncrb6013	10207	ncrb6100	10263	ncrb6180	10319	ncrb6261
10096	ncrb5930	10152	ncrb6014	10208	ncrb6101	10264	ncrb6181	10320	ncrb6264
10097	ncrb5931	10153	ncrb6016	10209	ncrb6102	10265	ncrb6183	10321	ncrb6265
10098	ncrb5934	10154	ncrb6019	10210	ncrb6103	10266	ncrb6184	10322	ncrb6266
10099	ncrb5936	10155	ncrb6021	10211	ncrb6104	10267	ncrb6185	10323	ncrb6267
10100	ncrb5938	10156	ncrb6023	10212	ncrb6106	10268	ncrb6186	10324	ncrb6268
10101	ncrb5939	10157	ncrb6024	10213	ncrb6107	10269	ncrb6187	10325	ncrb6269
10102	ncrb5940	10158	ncrb6026	10214	ncrb6108	10270	ncrb6188	10326	ncrb6270
10103	ncrb5941	10159	ncrb6028	10215	ncrb6109	10271	ncrb6190	10327	ncrb6271
10104	ncrb5944	10160	ncrb6029	10216	ncrb6111	10272	ncrb6192	10328	ncrb6272
10105	ncrb5945	10161	ncrb6030	10217	ncrb6112	10273	ncrb6193	10329	ncrb6273
10106	ncrb5946	10162	ncrb6031	10218	ncrb6115	10274	ncrb6195	10330	ncrb6275
10107	ncrb5947	10163	ncrb6032	10219	ncrb6116	10275	ncrb6196	10331	ncrb6277
10108	ncrb5949	10164	ncrb6034	10220	ncrb6117	10276	ncrb6197	10332	ncrb6279
10109	ncrb5950	10165	ncrb6036	10221	ncrb6119	10277	ncrb6202	10333	ncrb6281
10110	ncrb5951	10166	ncrb6037	10222	ncrb6120	10278	ncrb6203	10334	ncrb6282
10111	ncrb5952	10167	ncrb6039	10223	ncrb6121	10279	ncrb6204	10335	ncrb6284
10112	ncrb5954	10168	ncrb6040	10224	ncrb6122	10280	ncrb6205	10336	ncrb6287
10113	ncrb5955	10169	ncrb6041	10225	ncrb6123	10281	ncrb6206	10337	ncrb6289
10114	ncrb5956	10170	ncrb6042	10226	ncrb6124	10282	ncrb6208	10338	ncrb6291
10115	ncrb5959	10171	ncrb6043	10227	ncrb6126	10283	ncrb6209	10339	ncrb6292
10116	ncrb5960	10172	ncrb6044	10228	ncrb6127	10284	ncrb6211	10340	ncrb6294
10117	ncrb5961	10173	ncrb6045	10229	ncrb6128	10285	ncrb6212	10341	ncrb6295
10118	ncrb5964	10174	ncrb6046	10230	ncrb6130	10286	ncrb6213	10342	ncrb6296
10119	ncrb5965	10175	ncrb6048	10231	ncrb6131	10287	ncrb6214	10343	ncrb6297
10120	ncrb5966	10176	ncrb6049	10232	ncrb6135	10288	ncrb6215	10344	ncrb6298
10121	ncrb5967	10177	ncrb6050	10233	ncrb6136	10289	ncrb6216	10345	ncrb6299
10122	ncrb5971	10178	ncrb6052	10234	ncrb6138	10290	ncrb6217	10346	ncrb6300
10123	ncrb5972	10179	ncrb6056	10235	ncrb6139	10291	ncrb6218	10347	ncrb6301
10124	ncrb5975	10180	ncrb6057	10236	ncrb6140	10292	ncrb6219	10348	ncrb6302
10125	ncrb5976	10181	ncrb6059	10237	ncrb6141	10293	ncrb6220	10349	ncrb6304
10126	ncrb5977	10182	ncrb6062	10238	ncrb6142	10294	ncrb6221	10350	ncrb6306
10127	ncrb5978	10183	ncrb6064	10239	ncrb6143	10295	ncrb6222	10351	ncrb6307
10128	ncrb5979	10184	ncrb6065	10240	ncrb6144	10296	ncrb6223	10352	ncrb6308
10129	ncrb5980	10185	ncrb6067	10241	ncrb6145	10297	ncrb6224	10353	ncrb6310
10130	ncrb5981	10186	ncrb6068	10242	ncrb6146	10298	ncrb6225	10354	ncrb6313
10131	ncrb5982	10187	ncrb6069	10243	ncrb6147	10299	ncrb6226	10355	ncrb6314
10132	ncrb5983	10188	ncrb6071	10244	ncrb6148	10300	ncrb6227	10356	ncrb6315
10133	ncrb5984	10189	ncrb6072	10245	ncrb6151	10301	ncrb6228	10357	ncrb6316
10134	ncrb5985	10190	ncrb6073	10246	ncrb6153	10302	ncrb6229	10358	ncrb6317
10135	ncrb5987	10191	ncrb6074	10247	ncrb6155	10303	ncrb6232	10359	ncrb6319
10136	ncrb5988	10192	ncrb6075	10248	ncrb6157	10304	ncrb6234	10360	ncrb6320

Figure 6C – Continued

10361	ncrb6321	10417	ncrb6427	10473	ncrb6507	10529	ncrb6592	10585	ncrb6691
10362	ncrb6323	10418	ncrb6429	10474	ncrb6508	10530	ncrb6593	10586	ncrb6693
10363	ncrb6324	10419	ncrb6431	10475	ncrb6509	10531	ncrb6596	10587	ncrb6694
10364	ncrb6325	10420	ncrb6432	10476	ncrb6511	10532	ncrb6597	10588	ncrb6695
10365	ncrb6327	10421	ncrb6433	10477	ncrb6513	10533	ncrb6598	10589	ncrb6696
10366	ncrb6328	10422	ncrb6434	10478	ncrb6514	10534	ncrb6599	10590	ncrb6697
10367	ncrb6330	10423	ncrb6435	10479	ncrb6515	10535	ncrb6600	10591	ncrb6698
10368	ncrb6331	10424	ncrb6436	10480	ncrb6517	10536	ncrb6602	10592	ncrb6699
10369	ncrb6332	10425	ncrb6439	10481	ncrb6520	10537	ncrb6603	10593	ncrb6700
10370	ncrb6333	10426	ncrb6440	10482	ncrb6521	10538	ncrb6604	10594	ncrb6701
10371	ncrb6334	10427	ncrb6441	10483	ncrb6524	10539	ncrb6605	10595	ncrb6703
10372	ncrb6335	10428	ncrb6443	10484	ncrb6526	10540	ncrb6607	10596	ncrb6704
10373	ncrb6337	10429	ncrb6444	10485	ncrb6528	10541	ncrb6609	10597	ncrb6708
10374	ncrb6338	10430	ncrb6445	10486	ncrb6530	10542	ncrb6611	10598	ncrb6714
10375	ncrb6347	10431	ncrb6446	10487	ncrb6532	10543	ncrb6612	10599	ncrb6715
10376	ncrb6350	10432	ncrb6448	10488	ncrb6535	10544	ncrb6615	10600	ncrb6716
10377	ncrb6353	10433	ncrb6449	10489	ncrb6540	10545	ncrb6616	10601	ncrb6717
10378	ncrb6355	10434	ncrb6452	10490	ncrb6542	10546	ncrb6617	10602	ncrb6718
10379	ncrb6357	10435	ncrb6453	10491	ncrb6543	10547	ncrb6618	10603	ncrb6720
10380	ncrb6359	10436	ncrb6455	10492	ncrb6545	10548	ncrb6620	10604	ncrb6721
10381	ncrb6360	10437	ncrb6456	10493	ncrb6547	10549	ncrb6621	10605	ncrb6723
10382	ncrb6361	10438	ncrb6457	10494	ncrb6548	10550	ncrb6622	10606	ncrb6724
10383	ncrb6362	10439	ncrb6459	10495	ncrb6549	10551	ncrb6624	10607	ncrb6726
10384	ncrb6363	10440	ncrb6460	10496	ncrb6551	10552	ncrb6626	10608	ncrb6727
10385	ncrb6365	10441	ncrb6461	10497	ncrb6552	10553	ncrb6628	10609	ncrb6729
10386	ncrb6366	10442	ncrb6462	10498	ncrb6553	10554	ncrb6632	10610	ncrb6730
10387	ncrb6367	10443	ncrb6464	10499	ncrb6554	10555	ncrb6635	10611	ncrb6732
10388	ncrb6368	10444	ncrb6465	10500	ncrb6555	10556	ncrb6636	10612	ncrb6733
10389	ncrb6369	10445	ncrb6467	10501	ncrb6557	10557	ncrb6637	10613	ncrb6735
10390	ncrb6371	10446	ncrb6468	10502	ncrb6559	10558	ncrb6639	10614	ncrb6736
10391	ncrb6372	10447	ncrb6469	10503	ncrb6560	10559	ncrb6640	10615	ncrb6737
10392	ncrb6375	10448	ncrb6471	10504	ncrb6561	10560	ncrb6641	10616	ncrb6739
10393	ncrb6377	10449	ncrb6472	10505	ncrb6563	10561	ncrb6644	10617	ncrb6740
10394	ncrb6378	10450	ncrb6473	10506	ncrb6564	10562	ncrb6647	10618	ncrb6741
10395	ncrb6383	10451	ncrb6475	10507	ncrb6565	10563	ncrb6648	10619	ncrb6742
10396	ncrb6385	10452	ncrb6476	10508	ncrb6567	10564	ncrb6650	10620	ncrb6743
10397	ncrb6387	10453	ncrb6480	10509	ncrb6568	10565	ncrb6653	10621	ncrb6744
10398	ncrb6390	10454	ncrb6481	10510	ncrb6569	10566	ncrb6654	10622	ncrb6745
10399	ncrb6391	10455	ncrb6483	10511	ncrb6571	10567	ncrb6655	10623	ncrb6746
10400	ncrb6393	10456	ncrb6484	10512	ncrb6572	10568	ncrb6656	10624	ncrb6748
10401	ncrb6394	10457	ncrb6485	10513	ncrb6574	10569	ncrb6659	10625	ncrb6749
10402	ncrb6395	10458	ncrb6486	10514	ncrb6575	10570	ncrb6661	10626	ncrb6750
10403	ncrb6396	10459	ncrb6487	10515	ncrb6576	10571	ncrb6663	10627	ncrb6755
10404	ncrb6397	10460	ncrb6489	10516	ncrb6577	10572	ncrb6670	10628	ncrb6756
10405	ncrb6398	10461	ncrb6491	10517	ncrb6579	10573	ncrb6671	10629	ncrb6757
10406	ncrb6400	10462	ncrb6493	10518	ncrb6581	10574	ncrb6672	10630	ncrb6759
10407	ncrb6401	10463	ncrb6494	10519	ncrb6582	10575	ncrb6675	10631	ncrb6761
10408	ncrb6403	10464	ncrb6496	10520	ncrb6583	10576	ncrb6676	10632	ncrb6762
10409	ncrb6404	10465	ncrb6497	10521	ncrb6584	10577	ncrb6679	10633	ncrb6763
10410	ncrb6406	10466	ncrb6500	10522	ncrb6585	10578	ncrb6680	10634	ncrb6765
10411	ncrb6408	10467	ncrb6501	10523	ncrb6586	10579	ncrb6682	10635	ncrb6766
10412	ncrb6412	10468	ncrb6502	10524	ncrb6587	10580	ncrb6683	10636	ncrb6767
10413	ncrb6413	10469	ncrb6503	10525	ncrb6588	10581	ncrb6685	10637	ncrb6768
10414	ncrb6415	10470	ncrb6504	10526	ncrb6589	10582	ncrb6686	10638	ncrb6772
10415	ncrb6417	10471	ncrb6505	10527	ncrb6590	10583	ncrb6688	10639	ncrb6773
10416	ncrb6426	10472	ncrb6506	10528	ncrb6591	10584	ncrb6689	10640	ncrb6774



Figure 6C – Continued

10641	ncrb6775	10697	ncrb6859	10753	ncrb6944	10809	ncrb7036	10865	ncrb7116
10642	ncrb6776	10698	ncrb6860	10754	ncrb6945	10810	ncrb7037	10866	ncrb7118
10643	ncrb6777	10699	ncrb6862	10755	ncrb6948	10811	ncrb7038	10867	ncrb7119
10644	ncrb6778	10700	ncrb6863	10756	ncrb6949	10812	ncrb7039	10868	ncrb7120
10645	ncrb6779	10701	ncrb6864	10757	ncrb6953	10813	ncrb7040	10869	ncrb7123
10646	ncrb6780	10702	ncrb6865	10758	ncrb6954	10814	ncrb7041	10870	ncrb7124
10647	ncrb6782	10703	ncrb6867	10759	ncrb6955	10815	ncrb7043	10871	ncrb7125
10648	ncrb6783	10704	ncrb6869	10760	ncrb6956	10816	ncrb7044	10872	ncrb7127
10649	ncrb6785	10705	ncrb6870	10761	ncrb6958	10817	ncrb7045	10873	ncrb7128
10650	ncrb6787	10706	ncrb6871	10762	ncrb6959	10818	ncrb7048	10874	ncrb7129
10651	ncrb6788	10707	ncrb6872	10763	ncrb6960	10819	ncrb7051	10875	ncrb7132
10652	ncrb6789	10708	ncrb6875	10764	ncrb6961	10820	ncrb7052	10876	ncrb7137
10653	ncrb6791	10709	ncrb6876	10765	ncrb6963	10821	ncrb7055	10877	ncrb7140
10654	ncrb6792	10710	ncrb6877	10766	ncrb6966	10822	ncrb7056	10878	ncrb7141
10655	ncrb6793	10711	ncrb6878	10767	ncrb6967	10823	ncrb7059	10879	ncrb7144
10656	ncrb6794	10712	ncrb6880	10768	ncrb6968	10824	ncrb7061	10880	ncrb7145
10657	ncrb6796	10713	ncrb6885	10769	ncrb6969	10825	ncrb7062	10881	ncrb7146
10658	ncrb6799	10714	ncrb6886	10770	ncrb6970	10826	ncrb7063	10882	ncrb7147
10659	ncrb6800	10715	ncrb6888	10771	ncrb6971	10827	ncrb7064	10883	ncrb7150
10660	ncrb6802	10716	ncrb6889	10772	ncrb6972	10828	ncrb7065	10884	ncrb7151
10661	ncrb6804	10717	ncrb6890	10773	ncrb6974	10829	ncrb7067	10885	ncrb7152
10662	ncrb6807	10718	ncrb6892	10774	ncrb6975	10830	ncrb7068	10886	ncrb7153
10663	ncrb6808	10719	ncrb6894	10775	ncrb6976	10831	ncrb7069	10887	ncrb7155
10664	ncrb6809	10720	ncrb6895	10776	ncrb6977	10832	ncrb7070	10888	ncrb7156
10665	ncrb6810	10721	ncrb6896	10777	ncrb6979	10833	ncrb7071	10889	ncrb7158
10666	ncrb6811	10722	ncrb6897	10778	ncrb6980	10834	ncrb7072	10890	ncrb7159
10667	ncrb6812	10723	ncrb6898	10779	ncrb6981	10835	ncrb7073	10891	ncrb7160
10668	ncrb6813	10724	ncrb6899	10780	ncrb6982	10836	ncrb7075	10892	ncrb7161
10669	ncrb6814	10725	ncrb6900	10781	ncrb6984	10837	ncrb7076	10893	ncrb7162
10670	ncrb6815	10726	ncrb6901	10782	ncrb6985	10838	ncrb7077	10894	ncrb7164
10671	ncrb6816	10727	ncrb6903	10783	ncrb6986	10839	ncrb7079	10895	ncrb7165
10672	ncrb6818	10728	ncrb6904	10784	ncrb6990	10840	ncrb7080	10896	ncrb7166
10673	ncrb6820	10729	ncrb6905	10785	ncrb6991	10841	ncrb7081	10897	ncrb7167
10674	ncrb6824	10730	ncrb6906	10786	ncrb6992	10842	ncrb7082	10898	ncrb7168
10675	ncrb6825	10731	ncrb6907	10787	ncrb6994	10843	ncrb7085	10899	ncrb7169
10676	ncrb6827	10732	ncrb6910	10788	ncrb6995	10844	ncrb7086	10900	ncrb7171
10677	ncrb6832	10733	ncrb6911	10789	ncrb6996	10845	ncrb7087	10901	ncrb7172
10678	ncrb6833	10734	ncrb6912	10790	ncrb6997	10846	ncrb7088	10902	ncrb7174
10679	ncrb6836	10735	ncrb6919	10791	ncrb6999	10847	ncrb7089	10903	ncrb7176
10680	ncrb6840	10736	ncrb6922	10792	ncrb7001	10848	ncrb7092	10904	ncrb7177
10681	ncrb6841	10737	ncrb6923	10793	ncrb7003	10849	ncrb7093	10905	ncrb7179
10682	ncrb6842	10738	ncrb6924	10794	ncrb7004	10850	ncrb7095	10906	ncrb7180
10683	ncrb6843	10739	ncrb6927	10795	ncrb7005	10851	ncrb7096	10907	ncrb7181
10684	ncrb6844	10740	ncrb6928	10796	ncrb7006	10852	ncrb7097	10908	ncrb7182
10685	ncrb6845	10741	ncrb6929	10797	ncrb7007	10853	ncrb7098	10909	ncrb7184
10686	ncrb6846	10742	ncrb6931	10798	ncrb7008	10854	ncrb7099	10910	ncrb7185
10687	ncrb6847	10743	ncrb6932	10799	ncrb7012	10855	ncrb7100	10911	ncrb7187
10688	ncrb6848	10744	ncrb6933	10800	ncrb7015	10856	ncrb7102	10912	ncrb7188
10689	ncrb6849	10745	ncrb6935	10801	ncrb7016	10857	ncrb7103	10913	ncrb7189
10690	ncrb6851	10746	ncrb6936	10802	ncrb7019	10858	ncrb7104	10914	ncrb7191
10691	ncrb6852	10747	ncrb6937	10803	ncrb7027	10859	ncrb7105	10915	ncrb7192
10692	ncrb6853	10748	ncrb6938	10804	ncrb7028	10860	ncrb7106	10916	ncrb7193
10693	ncrb6855	10749	ncrb6939	10805	ncrb7031	10861	ncrb7107	10917	ncrb7194
10694	ncrb6856	10750	ncrb6941	10806	ncrb7032	10862	ncrb7111	10918	ncrb7195
10695	ncrb6857	10751	ncrb6942	10807	ncrb7034	10863	ncrb7112	10919	ncrb7196
10696	ncrb6858	10752	ncrb6943	10808	ncrb7035	10864	ncrb7115	10920	ncrb7197

Figure 6C – Continued

10921	ncrb7198	10977	ncrb7278	11033	ncrb7375	11089	ncrb7479	11145	ncrb7569
10922	ncrb7199	10978	ncrb7279	11034	ncrb7376	11090	ncrb7480	11146	ncrb7571
10923	ncrb7200	10979	ncrb7281	11035	ncrb7377	11091	ncrb7481	11147	ncrb7572
10924	ncrb7201	10980	ncrb7282	11036	ncrb7378	11092	ncrb7482	11148	ncrb7573
10925	ncrb7207	10981	ncrb7284	11037	ncrb7379	11093	ncrb7483	11149	ncrb7576
10926	ncrb7208	10982	ncrb7288	11038	ncrb7383	11094	ncrb7490	11150	ncrb7578
10927	ncrb7209	10983	ncrb7289	11039	ncrb7386	11095	ncrb7491	11151	ncrb7580
10928	ncrb7210	10984	ncrb7290	11040	ncrb7387	11096	ncrb7494	11152	ncrb7582
10929	ncrb7211	10985	ncrb7292	11041	ncrb7388	11097	ncrb7495	11153	ncrb7583
10930	ncrb7212	10986	ncrb7294	11042	ncrb7389	11098	ncrb7497	11154	ncrb7584
10931	ncrb7214	10987	ncrb7295	11043	ncrb7391	11099	ncrb7502	11155	ncrb7585
10932	ncrb7215	10988	ncrb7297	11044	ncrb7393	11100	ncrb7504	11156	ncrb7586
10933	ncrb7216	10989	ncrb7298	11045	ncrb7394	11101	ncrb7505	11157	ncrb7587
10934	ncrb7217	10990	ncrb7300	11046	ncrb7396	11102	ncrb7507	11158	ncrb7591
10935	ncrb7220	10991	ncrb7302	11047	ncrb7400	11103	ncrb7508	11159	ncrb7599
10936	ncrb7221	10992	ncrb7303	11048	ncrb7401	11104	ncrb7509	11160	ncrb7600
10937	ncrb7223	10993	ncrb7304	11049	ncrb7403	11105	ncrb7511	11161	ncrb7601
10938	ncrb7224	10994	ncrb7305	11050	ncrb7406	11106	ncrb7512	11162	ncrb7604
10939	ncrb7225	10995	ncrb7313	11051	ncrb7407	11107	ncrb7514	11163	ncrb7605
10940	ncrb7226	10996	ncrb7315	11052	ncrb7408	11108	ncrb7515	11164	ncrb7609
10941	ncrb7228	10997	ncrb7316	11053	ncrb7411	11109	ncrb7516	11165	ncrb7610
10942	ncrb7230	10998	ncrb7319	11054	ncrb7413	11110	ncrb7519	11166	ncrb7611
10943	ncrb7231	10999	ncrb7323	11055	ncrb7420	11111	ncrb7520	11167	ncrb7612
10944	ncrb7232	11000	ncrb7324	11056	ncrb7421	11112	ncrb7523	11168	ncrb7613
10945	ncrb7233	11001	ncrb7328	11057	ncrb7422	11113	ncrb7524	11169	ncrb7614
10946	ncrb7235	11002	ncrb7329	11058	ncrb7423	11114	ncrb7525	11170	ncrb7615
10947	ncrb7236	11003	ncrb7331	11059	ncrb7427	11115	ncrb7527	11171	ncrb7616
10948	ncrb7237	11004	ncrb7336	11060	ncrb7428	11116	ncrb7528	11172	ncrb7617
10949	ncrb7239	11005	ncrb7338	11061	ncrb7429	11117	ncrb7529	11173	ncrb7619
10950	ncrb7240	11006	ncrb7339	11062	ncrb7433	11118	ncrb7531	11174	ncrb7620
10951	ncrb7241	11007	ncrb7340	11063	ncrb7434	11119	ncrb7532	11175	ncrb7621
10952	ncrb7242	11008	ncrb7342	11064	ncrb7435	11120	ncrb7534	11176	ncrb7623
10953	ncrb7246	11009	ncrb7343	11065	ncrb7436	11121	ncrb7535	11177	ncrb7624
10954	ncrb7247	11010	ncrb7344	11066	ncrb7438	11122	ncrb7536	11178	ncrb7625
10955	ncrb7248	11011	ncrb7345	11067	ncrb7444	11123	ncrb7539	11179	ncrb7626
10956	ncrb7249	11012	ncrb7347	11068	ncrb7445	11124	ncrb7542	11180	ncrb7628
10957	ncrb7251	11013	ncrb7348	11069	ncrb7446	11125	ncrb7543	11181	ncrb7630
10958	ncrb7252	11014	ncrb7349	11070	ncrb7447	11126	ncrb7544	11182	ncrb7632
10959	ncrb7253	11015	ncrb7350	11071	ncrb7449	11127	ncrb7545	11183	ncrb7633
10960	ncrb7254	11016	ncrb7351	11072	ncrb7450	11128	ncrb7547	11184	ncrb7635
10961	ncrb7256	11017	ncrb7353	11073	ncrb7451	11129	ncrb7548	11185	ncrb7638
10962	ncrb7257	11018	ncrb7354	11074	ncrb7452	11130	ncrb7549	11186	ncrb7639
10963	ncrb7258	11019	ncrb7355	11075	ncrb7453	11131	ncrb7551	11187	ncrb7640
10964	ncrb7259	11020	ncrb7356	11076	ncrb7454	11132	ncrb7552	11188	ncrb7642
10965	ncrb7260	11021	ncrb7357	11077	ncrb7456	11133	ncrb7553	11189	ncrb7643
10966	ncrb7262	11022	ncrb7358	11078	ncrb7459	11134	ncrb7555	11190	ncrb7644
10967	ncrb7264	11023	ncrb7359	11079	ncrb7460	11135	ncrb7556	11191	ncrb7647
10968	ncrb7266	11024	ncrb7362	11080	ncrb7463	11136	ncrb7557	11192	ncrb7651
10969	ncrb7268	11025	ncrb7363	11081	ncrb7465	11137	ncrb7558	11193	ncrb7652
10970	ncrb7269	11026	ncrb7367	11082	ncrb7466	11138	ncrb7560	11194	ncrb7654
10971	ncrb7270	11027	ncrb7369	11083	ncrb7467	11139	ncrb7561	11195	ncrb7655
10972	ncrb7273	11028	ncrb7370	11084	ncrb7469	11140	ncrb7563	11196	ncrb7656
10973	ncrb7274	11029	ncrb7371	11085	ncrb7471	11141	ncrb7564	11197	ncrb7657
10974	ncrb7275	11030	ncrb7372	11086	ncrb7473	11142	ncrb7565	11198	ncrb7658
10975	ncrb7276	11031	ncrb7373	11087	ncrb7475	11143	ncrb7567	11199	ncrb7659
10976	ncrb7277	11032	ncrb7374	11088	ncrb7476	11144	ncrb7568	11200	ncrb7660

Figure 6C – Continued

11201	ncrb7663	11257	ncrb7762	11313	ncrb7845	11369	ncrb7933	11425	ncrb8012
11202	ncrb7665	11258	ncrb7763	11314	ncrb7847	11370	ncrb7934	11426	ncrb8015
11203	ncrb7667	11259	ncrb7767	11315	ncrb7848	11371	ncrb7936	11427	ncrb8016
11204	ncrb7668	11260	ncrb7768	11316	ncrb7850	11372	ncrb7937	11428	ncrb8017
11205	ncrb7669	11261	ncrb7769	11317	ncrb7852	11373	ncrb7939	11429	ncrb8019
11206	ncrb7671	11262	ncrb7770	11318	ncrb7854	11374	ncrb7940	11430	ncrb8021
11207	ncrb7672	11263	ncrb7771	11319	ncrb7855	11375	ncrb7941	11431	ncrb8024
11208	ncrb7674	11264	ncrb7772	11320	ncrb7856	11376	ncrb7943	11432	ncrb8025
11209	ncrb7675	11265	ncrb7773	11321	ncrb7858	11377	ncrb7944	11433	ncrb8026
11210	ncrb7676	11266	ncrb7774	11322	ncrb7859	11378	ncrb7945	11434	ncrb8027
11211	ncrb7677	11267	ncrb7775	11323	ncrb7860	11379	ncrb7946	11435	ncrb8028
11212	ncrb7678	11268	ncrb7776	11324	ncrb7861	11380	ncrb7947	11436	ncrb8031
11213	ncrb7679	11269	ncrb7777	11325	ncrb7864	11381	ncrb7948	11437	ncrb8032
11214	ncrb7680	11270	ncrb7779	11326	ncrb7865	11382	ncrb7949	11438	ncrb8034
11215	ncrb7683	11271	ncrb7780	11327	ncrb7866	11383	ncrb7950	11439	ncrb8035
11216	ncrb7684	11272	ncrb7783	11328	ncrb7867	11384	ncrb7951	11440	ncrb8039
11217	ncrb7686	11273	ncrb7784	11329	ncrb7869	11385	ncrb7952	11441	ncrb8040
11218	ncrb7687	11274	ncrb7787	11330	ncrb7871	11386	ncrb7953	11442	ncrb8042
11219	ncrb7690	11275	ncrb7788	11331	ncrb7872	11387	ncrb7954	11443	ncrb8043
11220	ncrb7692	11276	ncrb7792	11332	ncrb7873	11388	ncrb7955	11444	ncrb8044
11221	ncrb7694	11277	ncrb7793	11333	ncrb7874	11389	ncrb7956	11445	ncrb8046
11222	ncrb7695	11278	ncrb7795	11334	ncrb7877	11390	ncrb7959	11446	ncrb8047
11223	ncrb7696	11279	ncrb7796	11335	ncrb7879	11391	ncrb7960	11447	ncrb8048
11224	ncrb7699	11280	ncrb7797	11336	ncrb7880	11392	ncrb7961	11448	ncrb8050
11225	ncrb7703	11281	ncrb7799	11337	ncrb7882	11393	ncrb7962	11449	ncrb8051
11226	ncrb7704	11282	ncrb7800	11338	ncrb7884	11394	ncrb7964	11450	ncrb8052
11227	ncrb7706	11283	ncrb7801	11339	ncrb7886	11395	ncrb7965	11451	ncrb8053
11228	ncrb7711	11284	ncrb7802	11340	ncrb7887	11396	ncrb7966	11452	ncrb8056
11229	ncrb7713	11285	ncrb7803	11341	ncrb7888	11397	ncrb7967	11453	ncrb8059
11230	ncrb7715	11286	ncrb7804	11342	ncrb7889	11398	ncrb7968	11454	ncrb8060
11231	ncrb7716	11287	ncrb7805	11343	ncrb7891	11399	ncrb7969	11455	ncrb8062
11232	ncrb7717	11288	ncrb7806	11344	ncrb7892	11400	ncrb7970	11456	ncrb8063
11233	ncrb7719	11289	ncrb7811	11345	ncrb7895	11401	ncrb7971	11457	ncrb8064
11234	ncrb7721	11290	ncrb7812	11346	ncrb7897	11402	ncrb7972	11458	ncrb8065
11235	ncrb7726	11291	ncrb7813	11347	ncrb7898	11403	ncrb7975	11459	ncrb8066
11236	ncrb7727	11292	ncrb7816	11348	ncrb7899	11404	ncrb7977	11460	ncrb8067
11237	ncrb7728	11293	ncrb7818	11349	ncrb7900	11405	ncrb7978	11461	ncrb8071
11238	ncrb7729	11294	ncrb7819	11350	ncrb7902	11406	ncrb7980	11462	ncrb8072
11239	ncrb7732	11295	ncrb7820	11351	ncrb7903	11407	ncrb7982	11463	ncrb8075
11240	ncrb7737	11296	ncrb7821	11352	ncrb7905	11408	ncrb7983	11464	ncrb8076
11241	ncrb7738	11297	ncrb7822	11353	ncrb7911	11409	ncrb7985	11465	ncrb8079
11242	ncrb7740	11298	ncrb7823	11354	ncrb7912	11410	ncrb7987	11466	ncrb8080
11243	ncrb7745	11299	ncrb7824	11355	ncrb7914	11411	ncrb7989	11467	ncrb8083
11244	ncrb7746	11300	ncrb7825	11356	ncrb7915	11412	ncrb7991	11468	ncrb8084
11245	ncrb7747	11301	ncrb7827	11357	ncrb7916	11413	ncrb7993	11469	ncrb8085
11246	ncrb7748	11302	ncrb7828	11358	ncrb7918	11414	ncrb7994	11470	ncrb8087
11247	ncrb7749	11303	ncrb7829	11359	ncrb7919	11415	ncrb7995	11471	ncrb8088
11248	ncrb7750	11304	ncrb7830	11360	ncrb7920	11416	ncrb7998	11472	ncrb8090
11249	ncrb7752	11305	ncrb7834	11361	ncrb7921	11417	ncrb8000	11473	ncrb8091
11250	ncrb7753	11306	ncrb7836	11362	ncrb7924	11418	ncrb8001	11474	ncrb8093
11251	ncrb7754	11307	ncrb7839	11363	ncrb7925	11419	ncrb8003	11475	ncrb8094
11252	ncrb7755	11308	ncrb7840	11364	ncrb7928	11420	ncrb8004	11476	ncrb8095
11253	ncrb7756	11309	ncrb7841	11365	ncrb7929	11421	ncrb8005	11477	ncrb8097
11254	ncrb7757	11310	ncrb7842	11366	ncrb7930	11422	ncrb8007	11478	ncrb8099
11255	ncrb7758	11311	ncrb7843	11367	ncrb7931	11423	ncrb8008	11479	ncrb8101
11256	ncrb7759	11312	ncrb7844	11368	ncrb7932	11424	ncrb8010	11480	ncrb8102

Figure 6C -- Continued

11481	ncrb8103	11537	ncrb8190	11593	ncrb8275	11649	ncrb8346	11705	ncrb8427
11482	ncrb8104	11538	ncrb8191	11594	ncrb8276	11650	ncrb8347	11706	ncrb8428
11483	ncrb8105	11539	ncrb8192	11595	ncrb8277	11651	ncrb8351	11707	ncrb8429
11484	ncrb8106	11540	ncrb8193	11596	ncrb8279	11652	ncrb8352	11708	ncrb8430
11485	ncrb8107	11541	ncrb8197	11597	ncrb8280	11653	ncrb8355	11709	ncrb8431
11486	ncrb8108	11542	ncrb8200	11598	ncrb8281	11654	ncrb8356	11710	ncrb8433
11487	ncrb8110	11543	ncrb8201	11599	ncrb8282	11655	ncrb8359	11711	ncrb8434
11488	ncrb8111	11544	ncrb8202	11600	ncrb8284	11656	ncrb8360	11712	ncrb8435
11489	ncrb8112	11545	ncrb8203	11601	ncrb8285	11657	ncrb8364	11713	ncrb8436
11490	ncrb8113	11546	ncrb8204	11602	ncrb8286	11658	ncrb8366	11714	ncrb8437
11491	ncrb8116	11547	ncrb8206	11603	ncrb8288	11659	ncrb8367	11715	ncrb8439
11492	ncrb8117	11548	ncrb8207	11604	ncrb8289	11660	ncrb8368	11716	ncrb8442
11493	ncrb8120	11549	ncrb8208	11605	ncrb8291	11661	ncrb8369	11717	ncrb8443
11494	ncrb8121	11550	ncrb8214	11606	ncrb8292	11662	ncrb8371	11718	ncrb8444
11495	ncrb8122	11551	ncrb8215	11607	ncrb8293	11663	ncrb8372	11719	ncrb8447
11496	ncrb8123	11552	ncrb8217	11608	ncrb8295	11664	ncrb8375	11720	ncrb8448
11497	ncrb8124	11553	ncrb8219	11609	ncrb8296	11665	ncrb8376	11721	ncrb8451
11498	ncrb8125	11554	ncrb8220	11610	ncrb8297	11666	ncrb8377	11722	ncrb8452
11499	ncrb8128	11555	ncrb8221	11611	ncrb8300	11667	ncrb8378	11723	ncrb8454
11500	ncrb8131	11556	ncrb8222	11612	ncrb8302	11668	ncrb8379	11724	ncrb8457
11501	ncrb8132	11557	ncrb8223	11613	ncrb8303	11669	ncrb8380	11725	ncrb8458
11502	ncrb8133	11558	ncrb8224	11614	ncrb8304	11670	ncrb8382	11726	ncrb8459
11503	ncrb8134	11559	ncrb8225	11615	ncrb8307	11671	ncrb8383	11727	ncrb8460
11504	ncrb8136	11560	ncrb8228	11616	ncrb8308	11672	ncrb8384	11728	ncrb8461
11505	ncrb8137	11561	ncrb8229	11617	ncrb8310	11673	ncrb8385	11729	ncrb8462
11506	ncrb8138	11562	ncrb8230	11618	ncrb8311	11674	ncrb8388	11730	ncrb8463
11507	ncrb8139	11563	ncrb8231	11619	ncrb8313	11675	ncrb8389	11731	ncrb8464
11508	ncrb8140	11564	ncrb8234	11620	ncrb8314	11676	ncrb8391	11732	ncrb8468
11509	ncrb8141	11565	ncrb8237	11621	ncrb8315	11677	ncrb8392	11733	ncrb8469
11510	ncrb8142	11566	ncrb8238	11622	ncrb8316	11678	ncrb8393	11734	ncrb8473
11511	ncrb8143	11567	ncrb8239	11623	ncrb8317	11679	ncrb8395	11735	ncrb8474
11512	ncrb8144	11568	ncrb8240	11624	ncrb8318	11680	ncrb8396	11736	ncrb8475
11513	ncrb8145	11569	ncrb8242	11625	ncrb8319	11681	ncrb8398	11737	ncrb8476
11514	ncrb8147	11570	ncrb8243	11626	ncrb8320	11682	ncrb8400	11738	ncrb8478
11515	ncrb8149	11571	ncrb8245	11627	ncrb8321	11683	ncrb8401	11739	ncrb8479
11516	ncrb8152	11572	ncrb8247	11628	ncrb8322	11684	ncrb8403	11740	ncrb8480
11517	ncrb8153	11573	ncrb8248	11629	ncrb8323	11685	ncrb8404	11741	ncrb8481
11518	ncrb8154	11574	ncrb8249	11630	ncrb8324	11686	ncrb8405	11742	ncrb8484
11519	ncrb8156	11575	ncrb8250	11631	ncrb8325	11687	ncrb8407	11743	ncrb8487
11520	ncrb8157	11576	ncrb8251	11632	ncrb8326	11688	ncrb8408	11744	ncrb8489
11521	ncrb8159	11577	ncrb8252	11633	ncrb8327	11689	ncrb8409	11745	ncrb8490
11522	ncrb8160	11578	ncrb8253	11634	ncrb8328	11690	ncrb8410	11746	ncrb8494
11523	ncrb8164	11579	ncrb8254	11635	ncrb8329	11691	ncrb8411	11747	ncrb8496
11524	ncrb8166	11580	ncrb8255	11636	ncrb8330	11692	ncrb8412	11748	ncrb8499
11525	ncrb8167	11581	ncrb8256	11637	ncrb8331	11693	ncrb8414	11749	ncrb8500
11526	ncrb8168	11582	ncrb8258	11638	ncrb8332	11694	ncrb8415	11750	ncrb8501
11527	ncrb8171	11583	ncrb8259	11639	ncrb8333	11695	ncrb8416	11751	ncrb8503
11528	ncrb8172	11584	ncrb8260	11640	ncrb8334	11696	ncrb8417	11752	ncrb8505
11529	ncrb8176	11585	ncrb8264	11641	ncrb8335	11697	ncrb8419	11753	ncrb8506
11530	ncrb8177	11586	ncrb8265	11642	ncrb8336	11698	ncrb8420	11754	ncrb8507
11531	ncrb8180	11587	ncrb8267	11643	ncrb8337	11699	ncrb8421	11755	ncrb8508
11532	ncrb8183	11588	ncrb8268	11644	ncrb8338	11700	ncrb8422	11756	ncrb8509
11533	ncrb8185	11589	ncrb8269	11645	ncrb8339	11701	ncrb8423	11757	ncrb8510
11534	ncrb8186	11590	ncrb8271	11646	ncrb8343	11702	ncrb8424	11758	ncrb8511
11535	ncrb8188	11591	ncrb8272	11647	ncrb8344	11703	ncrb8425	11759	ncrb8512
11536	ncrb8189	11592	ncrb8273	11648	ncrb8345	11704	ncrb8426	11760	ncrb8515

Figure 6C - Continued

11761	ncrb8516	11817	ncrb8607	11873	ncrb8700	11929	ncrb8783	11985	ncrc0049
11762	ncrb8518	11818	ncrb8608	11874	ncrb8701	11930	ncrb8785	11986	ncrc0051
11763	ncrb8519	11819	ncrb8609	11875	ncrb8702	11931	ncrb8788	11987	ncrc0052
11764	ncrb8522	11820	ncrb8611	11876	ncrb8703	11932	ncrb8790	11988	ncrc0053
11765	ncrb8524	11821	ncrb8614	11877	ncrb8704	11933	ncrb8791	11989	ncrc0054
11766	ncrb8525	11822	ncrb8615	11878	ncrb8705	11934	ncrb8792	11990	ncrc0055
11767	ncrb8526	11823	ncrb8617	11879	ncrb8707	11935	ncrb8793	11991	ncrc0056
11768	ncrb8527	11824	ncrb8618	11880	ncrb8708	11936	ncrb8794	11992	ncrc0057
11769	ncrb8528	11825	ncrb8619	11881	ncrb8709	11937	ncrb8795	11993	ncrc0058
11770	ncrb8529	11826	ncrb8621	11882	ncrb8711	11938	ncrb8797	11994	ncrc0059
11771	ncrb8530	11827	ncrb8622	11883	ncrb8712	11939	ncrb8800	11995	ncrc0060
11772	ncrb8531	11828	ncrb8623	11884	ncrb8713	11940	ncrb8802	11996	ncrc0061
11773	ncrb8533	11829	ncrb8624	11885	ncrb8714	11941	ncrb8803	11997	ncrc0064
11774	ncrb8535	11830	ncrb8626	11886	ncrb8715	11942	ncrb8804	11998	ncrc0065
11775	ncrb8537	11831	ncrb8627	11887	ncrb8716	11943	ncrb8807	11999	ncrc0067
11776	ncrb8538	11832	ncrb8628	11888	ncrb8718	11944	ncrb8808	12000	ncrc0069
11777	ncrb8539	11833	ncrb8629	11889	ncrb8719	11945	ncrb8810	12001	ncrc0070
11778	ncrb8540	11834	ncrb8631	11890	ncrb8720	11946	ncrb8811	12002	ncrc0071
11779	ncrb8542	11835	ncrb8633	11891	ncrb8721	11947	ncrb8813	12003	ncrc0072
11780	ncrb8543	11836	ncrb8636	11892	ncrb8722	11948	ncrb8814	12004	ncrc0073
11781	ncrb8544	11837	ncrb8638	11893	ncrb8723	11949	ncrb8815	12005	ncrc0074
11782	ncrb8546	11838	ncrb8640	11894	ncrb8724	11950	ncrb8817	12006	ncrc0075
11783	ncrb8547	11839	ncrb8641	11895	ncrb8725	11951	ncrb8818	12007	ncrc0076
11784	ncrb8549	11840	ncrb8642	11896	ncrb8727	11952	ncrb8819	12008	ncrc0077
11785	ncrb8551	11841	ncrb8646	11897	ncrb8728	11953	ncrb8820	12009	ncrc0078
11786	ncrb8554	11842	ncrb8647	11898	ncrb8729	11954	ncrb8821	12010	ncrc0079
11787	ncrb8557	11843	ncrb8649	11899	ncrb8731	11955	ncrb8823	12011	ncrc0081
11788	ncrb8558	11844	ncrb8651	11900	ncrb8732	11956	ncrb8824	12012	ncrc0083
11789	ncrb8559	11845	ncrb8653	11901	ncrb8735	11957	ncrb8825	12013	ncrc0084
11790	ncrb8561	11846	ncrb8654	11902	ncrb8737	11958	ncrb8829	12014	ncrc0085
11791	ncrb8563	11847	ncrb8655	11903	ncrb8738	11959	ncrb8830	12015	ncrc0087
11792	ncrb8564	11848	ncrb8657	11904	ncrb8740	11960	ncrb8832	12016	ncrc0090
11793	ncrb8565	11849	ncrb8661	11905	ncrb8741	11961	ncrc0001	12017	ncrc0092
11794	ncrb8568	11850	ncrb8663	11906	ncrb8743	11962	ncrc0003	12018	ncrc0095
11795	ncrb8569	11851	ncrb8664	11907	ncrb8744	11963	ncrc0004	12019	ncrc0096
11796	ncrb8570	11852	ncrb8665	11908	ncrb8746	11964	ncrc0007	12020	ncrc0097
11797	ncrb8571	11853	ncrb8666	11909	ncrb8747	11965	ncrc0008	12021	ncrc0098
11798	ncrb8573	11854	ncrb8667	11910	ncrb8751	11966	ncrc0009	12022	ncrc0099
11799	ncrb8575	11855	ncrb8670	11911	ncrb8752	11967	ncrc0011	12023	ncrc0100
11800	ncrb8576	11856	ncrb8676	11912	ncrb8753	11968	ncrc0014	12024	ncrc0101
11801	ncrb8577	11857	ncrb8678	11913	ncrb8756	11969	ncrc0015	12025	ncrc0103
11802	ncrb8579	11858	ncrb8679	11914	ncrb8757	11970	ncrc0016	12026	ncrc0105
11803	ncrb8583	11859	ncrb8680	11915	ncrb8760	11971	ncrc0017	12027	ncrc0110
11804	ncrb8585	11860	ncrb8681	11916	ncrb8762	11972	ncrc0020	12028	ncrc0111
11805	ncrb8586	11861	ncrb8682	11917	ncrb8763	11973	ncrc0025	12029	ncrc0112
11806	ncrb8590	11862	ncrb8683	11918	ncrb8764	11974	ncrc0027	12030	ncrc0113
11807	ncrb8592	11863	ncrb8684	11919	ncrb8765	11975	ncrc0028	12031	ncrc0115
11808	ncrb8593	11864	ncrb8689	11920	ncrb8766	11976	ncrc0029	12032	ncrc0116
11809	ncrb8595	11865	ncrb8691	11921	ncrb8768	11977	ncrc0031	12033	ncrc0117
11810	ncrb8596	11866	ncrb8693	11922	ncrb8769	11978	ncrc0032	12034	ncrc0119
11811	ncrb8597	11867	ncrb8694	11923	ncrb8772	11979	ncrc0033	12035	ncrc0120
11812	ncrb8599	11868	ncrb8695	11924	ncrb8773	11980	ncrc0035	12036	ncrc0126
11813	ncrb8600	11869	ncrb8696	11925	ncrb8775	11981	ncrc0040	12037	ncrc0127
11814	ncrb8603	11870	ncrb8697	11926	ncrb8776	11982	ncrc0046	12038	ncrc0128
11815	ncrb8604	11871	ncrb8698	11927	ncrb8778	11983	ncrc0047	12039	ncrc0131
11816	ncrb8605	11872	ncrb8699	11928	ncrb8779	11984	ncrc0048	12040	ncrc0133

Figure 6C – Continued

12041	ncrc0135	12097	ncrc0212	12153	ncrc0292	12209	ncrc0376	12265	ncrc0457
12042	ncrc0136	12098	ncrc0213	12154	ncrc0293	12210	ncrc0377	12266	ncrc0458
12043	ncrc0137	12099	ncrc0215	12155	ncrc0295	12211	ncrc0379	12267	ncrc0461
12044	ncrc0138	12100	ncrc0216	12156	ncrc0296	12212	ncrc0380	12268	ncrc0462
12045	ncrc0139	12101	ncrc0217	12157	ncrc0297	12213	ncrc0381	12269	ncrc0463
12046	ncrc0140	12102	ncrc0218	12158	ncrc0299	12214	ncrc0383	12270	ncrc0464
12047	ncrc0142	12103	ncrc0220	12159	ncrc0300	12215	ncrc0385	12271	ncrc0467
12048	ncrc0143	12104	ncrc0222	12160	ncrc0301	12216	ncrc0386	12272	ncrc0468
12049	ncrc0144	12105	ncrc0224	12161	ncrc0303	12217	ncrc0387	12273	ncrc0469
12050	ncrc0145	12106	ncrc0225	12162	ncrc0304	12218	ncrc0388	12274	ncrc0471
12051	ncrc0147	12107	ncrc0228	12163	ncrc0305	12219	ncrc0391	12275	ncrc0472
12052	ncrc0148	12108	ncrc0233	12164	ncrc0311	12220	ncrc0392	12276	ncrc0473
12053	ncrc0149	12109	ncrc0235	12165	ncrc0312	12221	ncrc0393	12277	ncrc0474
12054	ncrc0150	12110	ncrc0236	12166	ncrc0313	12222	ncrc0397	12278	ncrc0477
12055	ncrc0151	12111	ncrc0238	12167	ncrc0314	12223	ncrc0398	12279	ncrc0478
12056	ncrc0152	12112	ncrc0240	12168	ncrc0315	12224	ncrc0399	12280	ncrc0479
12057	ncrc0154	12113	ncrc0241	12169	ncrc0317	12225	ncrc0400	12281	ncrc0480
12058	ncrc0155	12114	ncrc0243	12170	ncrc0318	12226	ncrc0401	12282	ncrc0481
12059	ncrc0156	12115	ncrc0244	12171	ncrc0319	12227	ncrc0407	12283	ncrc0482
12060	ncrc0157	12116	ncrc0246	12172	ncrc0320	12228	ncrc0408	12284	ncrc0483
12061	ncrc0158	12117	ncrc0248	12173	ncrc0321	12229	ncrc0411	12285	ncrc0487
12062	ncrc0159	12118	ncrc0249	12174	ncrc0323	12230	ncrc0413	12286	ncrc0488
12063	ncrc0160	12119	ncrc0251	12175	ncrc0324	12231	ncrc0414	12287	ncrc0489
12064	ncrc0161	12120	ncrc0252	12176	ncrc0325	12232	ncrc0415	12288	ncrc0492
12065	ncrc0164	12121	ncrc0253	12177	ncrc0327	12233	ncrc0416	12289	ncrc0495
12066	ncrc0166	12122	ncrc0254	12178	ncrc0328	12234	ncrc0417	12290	ncrc0496
12067	ncrc0167	12123	ncrc0255	12179	ncrc0329	12235	ncrc0419	12291	ncrc0497
12068	ncrc0170	12124	ncrc0256	12180	ncrc0330	12236	ncrc0421	12292	ncrc0499
12069	ncrc0171	12125	ncrc0257	12181	ncrc0331	12237	ncrc0423	12293	ncrc0501
12070	ncrc0173	12126	ncrc0258	12182	ncrc0332	12238	ncrc0424	12294	ncrc0505
12071	ncrc0174	12127	ncrc0259	12183	ncrc0334	12239	ncrc0425	12295	ncrc0506
12072	ncrc0175	12128	ncrc0260	12184	ncrc0335	12240	ncrc0426	12296	ncrc0507
12073	ncrc0176	12129	ncrc0261	12185	ncrc0336	12241	ncrc0427	12297	ncrc0508
12074	ncrc0177	12130	ncrc0262	12186	ncrc0339	12242	ncrc0431	12298	ncrc0510
12075	ncrc0178	12131	ncrc0263	12187	ncrc0341	12243	ncrc0432	12299	ncrc0511
12076	ncrc0179	12132	ncrc0266	12188	ncrc0342	12244	ncrc0433	12300	ncrc0512
12077	ncrc0180	12133	ncrc0267	12189	ncrc0343	12245	ncrc0435	12301	ncrc0513
12078	ncrc0181	12134	ncrc0268	12190	ncrc0344	12246	ncrc0436	12302	ncrc0515
12079	ncrc0183	12135	ncrc0269	12191	ncrc0346	12247	ncrc0437	12303	ncrc0516
12080	ncrc0184	12136	ncrc0270	12192	ncrc0347	12248	ncrc0438	12304	ncrc0519
12081	ncrc0185	12137	ncrc0271	12193	ncrc0351	12249	ncrc0439	12305	ncrc0521
12082	ncrc0186	12138	ncrc0272	12194	ncrc0354	12250	ncrc0440	12306	ncrc0523
12083	ncrc0187	12139	ncrc0273	12195	ncrc0355	12251	ncrc0441	12307	ncrc0524
12084	ncrc0188	12140	ncrc0275	12196	ncrc0356	12252	ncrc0442	12308	ncrc0527
12085	ncrc0189	12141	ncrc0276	12197	ncrc0357	12253	ncrc0444	12309	ncrc0528
12086	ncrc0190	12142	ncrc0277	12198	ncrc0358	12254	ncrc0445	12310	ncrc0529
12087	ncrc0191	12143	ncrc0279	12199	ncrc0359	12255	ncrc0446	12311	ncrc0531
12088	ncrc0193	12144	ncrc0281	12200	ncrc0360	12256	ncrc0447	12312	ncrc0532
12089	ncrc0194	12145	ncrc0282	12201	ncrc0361	12257	ncrc0448	12313	ncrc0533
12090	ncrc0195	12146	ncrc0284	12202	ncrc0364	12258	ncrc0449	12314	ncrc0534
12091	ncrc0199	12147	ncrc0285	12203	ncrc0365	12259	ncrc0451	12315	ncrc0535
12092	ncrc0203	12148	ncrc0286	12204	ncrc0367	12260	ncrc0452	12316	ncrc0537
12093	ncrc0204	12149	ncrc0287	12205	ncrc0368	12261	ncrc0453	12317	ncrc0538
12094	ncrc0207	12150	ncrc0288	12206	ncrc0369	12262	ncrc0454	12318	ncrc0539
12095	ncrc0209	12151	ncrc0289	12207	ncrc0373	12263	ncrc0455	12319	ncrc0540
12096	ncrc0211	12152	ncrc0290	12208	ncrc0375	12264	ncrc0456	12320	ncrc0544

Figure 6C – Continued

12321	ncrc0545	12377	ncrc0633	12433	ncrc0723	12489	ncrc0807	12545	ncrc0885
12322	ncrc0547	12378	ncrc0635	12434	ncrc0725	12490	ncrc0809	12546	ncrc0889
12323	ncrc0548	12379	ncrc0636	12435	ncrc0726	12491	ncrc0810	12547	ncrc0891
12324	ncrc0549	12380	ncrc0639	12436	ncrc0728	12492	ncrc0811	12548	ncrc0894
12325	ncrc0550	12381	ncrc0640	12437	ncrc0729	12493	ncrc0813	12549	ncrc0899
12326	ncrc0551	12382	ncrc0641	12438	ncrc0730	12494	ncrc0814	12550	ncrc0900
12327	ncrc0552	12383	ncrc0643	12439	ncrc0731	12495	ncrc0816	12551	ncrc0901
12328	ncrc0553	12384	ncrc0644	12440	ncrc0732	12496	ncrc0817	12552	ncrc0904
12329	ncrc0554	12385	ncrc0645	12441	ncrc0733	12497	ncrc0819	12553	ncrc0905
12330	ncrc0555	12386	ncrc0646	12442	ncrc0734	12498	ncrc0820	12554	ncrc0906
12331	ncrc0556	12387	ncrc0647	12443	ncrc0735	12499	ncrc0821	12555	ncrc0907
12332	ncrc0557	12388	ncrc0649	12444	ncrc0737	12500	ncrc0822	12556	ncrc0908
12333	ncrc0558	12389	ncrc0650	12445	ncrc0739	12501	ncrc0823	12557	ncrc0910
12334	ncrc0561	12390	ncrc0651	12446	ncrc0741	12502	ncrc0825	12558	ncrc0912
12335	ncrc0562	12391	ncrc0653	12447	ncrc0742	12503	ncrc0826	12559	ncrc0913
12336	ncrc0563	12392	ncrc0654	12448	ncrc0743	12504	ncrc0827	12560	ncrc0915
12337	ncrc0564	12393	ncrc0655	12449	ncrc0744	12505	ncrc0828	12561	ncrc0916
12338	ncrc0568	12394	ncrc0656	12450	ncrc0747	12506	ncrc0829	12562	ncrc0917
12339	ncrc0569	12395	ncrc0658	12451	ncrc0748	12507	ncrc0830	12563	ncrc0918
12340	ncrc0570	12396	ncrc0659	12452	ncrc0749	12508	ncrc0832	12564	ncrc0919
12341	ncrc0571	12397	ncrc0660	12453	ncrc0750	12509	ncrc0835	12565	ncrc0920
12342	ncrc0572	12398	ncrc0661	12454	ncrc0751	12510	ncrc0836	12566	ncrc0922
12343	ncrc0573	12399	ncrc0663	12455	ncrc0752	12511	ncrc0837	12567	ncrc0924
12344	ncrc0574	12400	ncrc0664	12456	ncrc0753	12512	ncrc0838	12568	ncrc0925
12345	ncrc0576	12401	ncrc0665	12457	ncrc0755	12513	ncrc0839	12569	ncrc0926
12346	ncrc0579	12402	ncrc0666	12458	ncrc0756	12514	ncrc0841	12570	ncrc0928
12347	ncrc0580	12403	ncrc0667	12459	ncrc0759	12515	ncrc0842	12571	ncrc0932
12348	ncrc0583	12404	ncrc0668	12460	ncrc0763	12516	ncrc0843	12572	ncrc0933
12349	ncrc0584	12405	ncrc0669	12461	ncrc0764	12517	ncrc0844	12573	ncrc0934
12350	ncrc0585	12406	ncrc0670	12462	ncrc0765	12518	ncrc0846	12574	ncrc0936
12351	ncrc0588	12407	ncrc0671	12463	ncrc0766	12519	ncrc0847	12575	ncrc0940
12352	ncrc0591	12408	ncrc0672	12464	ncrc0767	12520	ncrc0848	12576	ncrc0942
12353	ncrc0592	12409	ncrc0674	12465	ncrc0768	12521	ncrc0849	12577	ncrc0944
12354	ncrc0595	12410	ncrc0675	12466	ncrc0770	12522	ncrc0851	12578	ncrc0945
12355	ncrc0597	12411	ncrc0676	12467	ncrc0771	12523	ncrc0852	12579	ncrc0947
12356	ncrc0599	12412	ncrc0681	12468	ncrc0774	12524	ncrc0853	12580	ncrc0948
12357	ncrc0601	12413	ncrc0682	12469	ncrc0777	12525	ncrc0855	12581	ncrc0949
12358	ncrc0602	12414	ncrc0684	12470	ncrc0778	12526	ncrc0856	12582	ncrc0951
12359	ncrc0604	12415	ncrc0688	12471	ncrc0780	12527	ncrc0857	12583	ncrc0952
12360	ncrc0605	12416	ncrc0689	12472	ncrc0783	12528	ncrc0858	12584	ncrc0953
12361	ncrc0606	12417	ncrc0691	12473	ncrc0784	12529	ncrc0860	12585	ncrc0954
12362	ncrc0608	12418	ncrc0693	12474	ncrc0785	12530	ncrc0861	12586	ncrc0955
12363	ncrc0610	12419	ncrc0695	12475	ncrc0788	12531	ncrc0862	12587	ncrc0956
12364	ncrc0611	12420	ncrc0696	12476	ncrc0792	12532	ncrc0863	12588	ncrc0958
12365	ncrc0612	12421	ncrc0699	12477	ncrc0793	12533	ncrc0864	12589	ncrc0959
12366	ncrc0614	12422	ncrc0700	12478	ncrc0794	12534	ncrc0865	12590	ncrc0960
12367	ncrc0617	12423	ncrc0701	12479	ncrc0796	12535	ncrc0867	12591	ncrc0961
12368	ncrc0618	12424	ncrc0703	12480	ncrc0797	12536	ncrc0868	12592	ncrc0963
12369	ncrc0623	12425	ncrc0704	12481	ncrc0798	12537	ncrc0871	12593	ncrc0964
12370	ncrc0624	12426	ncrc0708	12482	ncrc0799	12538	ncrc0872	12594	ncrc0965
12371	ncrc0625	12427	ncrc0709	12483	ncrc0800	12539	ncrc0873	12595	ncrc0967
12372	ncrc0627	12428	ncrc0714	12484	ncrc0801	12540	ncrc0875	12596	ncrc0968
12373	ncrc0628	12429	ncrc0715	12485	ncrc0802	12541	ncrc0876	12597	ncrc0971
12374	ncrc0629	12430	ncrc0718	12486	ncrc0803	12542	ncrc0878	12598	ncrc0972
12375	ncrc0630	12431	ncrc0720	12487	ncrc0804	12543	ncrc0880	12599	ncrc0973
12376	ncrc0632	12432	ncrc0721	12488	ncrc0805	12544	ncrc0883	12600	ncrc0974

Figure 6C - Continued

12601	ncrc0976	12657	ncrc1050	12713	ncrc1137	12769	ncrc1226	12825	ncrc1312
12602	ncrc0980	12658	ncrc1053	12714	ncrc1138	12770	ncrc1227	12826	ncrc1316
12603	ncrc0981	12659	ncrc1055	12715	ncrc1139	12771	ncrc1230	12827	ncrc1317
12604	ncrc0983	12660	ncrc1056	12716	ncrc1140	12772	ncrc1231	12828	ncrc1319
12605	ncrc0984	12661	ncrc1057	12717	ncrc1141	12773	ncrc1233	12829	ncrc1320
12606	ncrc0985	12662	ncrc1059	12718	ncrc1143	12774	ncrc1234	12830	ncrc1321
12607	ncrc0987	12663	ncrc1060	12719	ncrc1145	12775	ncrc1235	12831	ncrc1322
12608	ncrc0990	12664	ncrc1063	12720	ncrc1146	12776	ncrc1236	12832	ncrc1323
12609	ncrc0991	12665	ncrc1064	12721	ncrc1147	12777	ncrc1237	12833	ncrc1324
12610	ncrc0992	12666	ncrc1065	12722	ncrc1148	12778	ncrc1240	12834	ncrc1325
12611	ncrc0994	12667	ncrc1067	12723	ncrc1149	12779	ncrc1241	12835	ncrc1326
12612	ncrc0996	12668	ncrc1068	12724	ncrc1150	12780	ncrc1242	12836	ncrc1328
12613	ncrc0997	12669	ncrc1069	12725	ncrc1152	12781	ncrc1243	12837	ncrc1329
12614	ncrc0999	12670	ncrc1071	12726	ncrc1153	12782	ncrc1245	12838	ncrc1330
12615	ncrc1000	12671	ncrc1072	12727	ncrc1156	12783	ncrc1247	12839	ncrc1331
12616	ncrc1001	12672	ncrc1076	12728	ncrc1160	12784	ncrc1248	12840	ncrc1332
12617	ncrc1002	12673	ncrc1077	12729	ncrc1163	12785	ncrc1250	12841	ncrc1335
12618	ncrc1003	12674	ncrc1079	12730	ncrc1165	12786	ncrc1251	12842	ncrc1336
12619	ncrc1004	12675	ncrc1080	12731	ncrc1168	12787	ncrc1255	12843	ncrc1337
12620	ncrc1005	12676	ncrc1081	12732	ncrc1169	12788	ncrc1257	12844	ncrc1338
12621	ncrc1006	12677	ncrc1083	12733	ncrc1171	12789	ncrc1259	12845	ncrc1339
12622	ncrc1007	12678	ncrc1084	12734	ncrc1172	12790	ncrc1260	12846	ncrc1341
12623	ncrc1008	12679	ncrc1085	12735	ncrc1173	12791	ncrc1263	12847	ncrc1343
12624	ncrc1011	12680	ncrc1087	12736	ncrc1175	12792	ncrc1264	12848	ncrc1344
12625	ncrc1012	12681	ncrc1088	12737	ncrc1176	12793	ncrc1265	12849	ncrc1345
12626	ncrc1013	12682	ncrc1089	12738	ncrc1178	12794	ncrc1267	12850	ncrc1349
12627	ncrc1014	12683	ncrc1092	12739	ncrc1180	12795	ncrc1271	12851	ncrc1352
12628	ncrc1015	12684	ncrc1093	12740	ncrc1182	12796	ncrc1272	12852	ncrc1355
12629	ncrc1016	12685	ncrc1095	12741	ncrc1183	12797	ncrc1274	12853	ncrc1356
12630	ncrc1017	12686	ncrc1096	12742	ncrc1184	12798	ncrc1277	12854	ncrc1357
12631	ncrc1018	12687	ncrc1097	12743	ncrc1188	12799	ncrc1278	12855	ncrc1358
12632	ncrc1019	12688	ncrc1099	12744	ncrc1192	12800	ncrc1279	12856	ncrc1360
12633	ncrc1020	12689	ncrc1102	12745	ncrc1193	12801	ncrc1280	12857	ncrc1361
12634	ncrc1021	12690	ncrc1103	12746	ncrc1196	12802	ncrc1281	12858	ncrc1363
12635	ncrc1022	12691	ncrc1105	12747	ncrc1198	12803	ncrc1283	12859	ncrc1367
12636	ncrc1023	12692	ncrc1107	12748	ncrc1199	12804	ncrc1284	12860	ncrc1368
12637	ncrc1024	12693	ncrc1109	12749	ncrc1200	12805	ncrc1285	12861	ncrc1369
12638	ncrc1025	12694	ncrc1111	12750	ncrc1201	12806	ncrc1287	12862	ncrc1371
12639	ncrc1026	12695	ncrc1112	12751	ncrc1203	12807	ncrc1288	12863	ncrc1372
12640	ncrc1029	12696	ncrc1114	12752	ncrc1204	12808	ncrc1290	12864	ncrc1373
12641	ncrc1030	12697	ncrc1115	12753	ncrc1205	12809	ncrc1292	12865	ncrc1374
12642	ncrc1031	12698	ncrc1118	12754	ncrc1206	12810	ncrc1294	12866	ncrc1376
12643	ncrc1032	12699	ncrc1119	12755	ncrc1207	12811	ncrc1295	12867	ncrc1379
12644	ncrc1033	12700	ncrc1121	12756	ncrc1208	12812	ncrc1296	12868	ncrc1380
12645	ncrc1035	12701	ncrc1123	12757	ncrc1209	12813	ncrc1297	12869	ncrc1384
12646	ncrc1036	12702	ncrc1125	12758	ncrc1210	12814	ncrc1300	12870	ncrc1386
12647	ncrc1037	12703	ncrc1126	12759	ncrc1211	12815	ncrc1301	12871	ncrc1387
12648	ncrc1038	12704	ncrc1127	12760	ncrc1212	12816	ncrc1302	12872	ncrc1391
12649	ncrc1041	12705	ncrc1128	12761	ncrc1214	12817	ncrc1304	12873	ncrc1392
12650	ncrc1042	12706	ncrc1129	12762	ncrc1216	12818	ncrc1305	12874	ncrc1393
12651	ncrc1044	12707	ncrc1130	12763	ncrc1217	12819	ncrc1306	12875	ncrc1395
12652	ncrc1045	12708	ncrc1131	12764	ncrc1219	12820	ncrc1307	12876	ncrc1396
12653	ncrc1046	12709	ncrc1132	12765	ncrc1221	12821	ncrc1308	12877	ncrc1397
12654	ncrc1047	12710	ncrc1133	12766	ncrc1222	12822	ncrc1309	12878	ncrc1398
12655	ncrc1048	12711	ncrc1134	12767	ncrc1223	12823	ncrc1310	12879	ncrc1399
12656	ncrc1049	12712	ncrc1136	12768	ncrc1224	12824	ncrc1311	12880	ncrc1401



Figure 6C – Continued

12881	ncrc1402	12937	ncrc1497	12993	ncrc1577	13049	ncrc1651	13105	ncrc1748
12882	ncrc1407	12938	ncrc1498	12994	ncrc1578	13050	ncrc1652	13106	ncrc1749
12883	ncrc1408	12939	ncrc1500	12995	ncrc1580	13051	ncrc1653	13107	ncrc1751
12884	ncrc1409	12940	ncrc1501	12996	ncrc1582	13052	ncrc1657	13108	ncrc1754
12885	ncrc1411	12941	ncrc1502	12997	ncrc1583	13053	ncrc1659	13109	ncrc1756
12886	ncrc1412	12942	ncrc1503	12998	ncrc1587	13054	ncrc1661	13110	ncrc1758
12887	ncrc1413	12943	ncrc1504	12999	ncrc1588	13055	ncrc1662	13111	ncrc1759
12888	ncrc1415	12944	ncrc1505	13000	ncrc1589	13056	ncrc1663	13112	ncrc1760
12889	ncrc1416	12945	ncrc1508	13001	ncrc1590	13057	ncrc1665	13113	ncrc1761
12890	ncrc1418	12946	ncrc1509	13002	ncrc1591	13058	ncrc1668	13114	ncrc1763
12891	ncrc1419	12947	ncrc1510	13003	ncrc1592	13059	ncrc1669	13115	ncrc1764
12892	ncrc1421	12948	ncrc1511	13004	ncrc1593	13060	ncrc1671	13116	ncrc1765
12893	ncrc1423	12949	ncrc1513	13005	ncrc1595	13061	ncrc1675	13117	ncrc1767
12894	ncrc1424	12950	ncrc1515	13006	ncrc1596	13062	ncrc1678	13118	ncrc1768
12895	ncrc1425	12951	ncrc1516	13007	ncrc1597	13063	ncrc1679	13119	ncrc1772
12896	ncrc1426	12952	ncrc1517	13008	ncrc1598	13064	ncrc1680	13120	ncrc1775
12897	ncrc1428	12953	ncrc1518	13009	ncrc1599	13065	ncrc1681	13121	ncrc1776
12898	ncrc1429	12954	ncrc1519	13010	ncrc1600	13066	ncrc1683	13122	ncrc1777
12899	ncrc1431	12955	ncrc1520	13011	ncrc1602	13067	ncrc1684	13123	ncrc1779
12900	ncrc1434	12956	ncrc1521	13012	ncrc1603	13068	ncrc1687	13124	ncrc1780
12901	ncrc1436	12957	ncrc1523	13013	ncrc1605	13069	ncrc1690	13125	ncrc1783
12902	ncrc1437	12958	ncrc1524	13014	ncrc1606	13070	ncrc1691	13126	ncrc1784
12903	ncrc1438	12959	ncrc1525	13015	ncrc1607	13071	ncrc1693	13127	ncrc1785
12904	ncrc1439	12960	ncrc1527	13016	ncrc1608	13072	ncrc1694	13128	ncrc1786
12905	ncrc1441	12961	ncrc1529	13017	ncrc1609	13073	ncrc1696	13129	ncrc1787
12906	ncrc1442	12962	ncrc1530	13018	ncrc1610	13074	ncrc1699	13130	ncrc1788
12907	ncrc1444	12963	ncrc1531	13019	ncrc1611	13075	ncrc1700	13131	ncrc1791
12908	ncrc1447	12964	ncrc1532	13020	ncrc1612	13076	ncrc1701	13132	ncrc1792
12909	ncrc1449	12965	ncrc1533	13021	ncrc1613	13077	ncrc1702	13133	ncrc1795
12910	ncrc1451	12966	ncrc1535	13022	ncrc1615	13078	ncrc1703	13134	ncrc1798
12911	ncrc1452	12967	ncrc1536	13023	ncrc1616	13079	ncrc1704	13135	ncrc1799
12912	ncrc1455	12968	ncrc1537	13024	ncrc1617	13080	ncrc1706	13136	ncrc1800
12913	ncrc1456	12969	ncrc1538	13025	ncrc1619	13081	ncrc1707	13137	ncrc1801
12914	ncrc1457	12970	ncrc1540	13026	ncrc1620	13082	ncrc1709	13138	ncrc1804
12915	ncrc1460	12971	ncrc1543	13027	ncrc1621	13083	ncrc1710	13139	ncrc1805
12916	ncrc1463	12972	ncrc1544	13028	ncrc1623	13084	ncrc1711	13140	ncrc1806
12917	ncrc1465	12973	ncrc1547	13029	ncrc1624	13085	ncrc1712	13141	ncrc1807
12918	ncrc1467	12974	ncrc1549	13030	ncrc1625	13086	ncrc1714	13142	ncrc1808
12919	ncrc1469	12975	ncrc1551	13031	ncrc1627	13087	ncrc1716	13143	ncrc1809
12920	ncrc1471	12976	ncrc1553	13032	ncrc1628	13088	ncrc1717	13144	ncrc1810
12921	ncrc1472	12977	ncrc1555	13033	ncrc1629	13089	ncrc1719	13145	ncrc1811
12922	ncrc1473	12978	ncrc1556	13034	ncrc1630	13090	ncrc1722	13146	ncrc1812
12923	ncrc1475	12979	ncrc1559	13035	ncrc1631	13091	ncrc1723	13147	ncrc1815
12924	ncrc1480	12980	ncrc1561	13036	ncrc1632	13092	ncrc1724	13148	ncrc1816
12925	ncrc1481	12981	ncrc1562	13037	ncrc1633	13093	ncrc1725	13149	ncrc1817
12926	ncrc1482	12982	ncrc1563	13038	ncrc1634	13094	ncrc1727	13150	ncrc1819
12927	ncrc1483	12983	ncrc1564	13039	ncrc1635	13095	ncrc1728	13151	ncrc1820
12928	ncrc1484	12984	ncrc1565	13040	ncrc1636	13096	ncrc1735	13152	ncrc1821
12929	ncrc1486	12985	ncrc1566	13041	ncrc1639	13097	ncrc1736	13153	ncrc1824
12930	ncrc1487	12986	ncrc1567	13042	ncrc1641	13098	ncrc1737	13154	ncrc1825
12931	ncrc1489	12987	ncrc1568	13043	ncrc1643	13099	ncrc1740	13155	ncrc1827
12932	ncrc1491	12988	ncrc1569	13044	ncrc1644	13100	ncrc1742	13156	ncrc1828
12933	ncrc1492	12989	ncrc1571	13045	ncrc1645	13101	ncrc1743	13157	ncrc1831
12934	ncrc1493	12990	ncrc1572	13046	ncrc1647	13102	ncrc1744	13158	ncrc1832
12935	ncrc1495	12991	ncrc1573	13047	ncrc1648	13103	ncrc1745	13159	ncrc1833
12936	ncrc1496	12992	ncrc1576	13048	ncrc1649	13104	ncrc1747	13160	ncrc1835

Figure 6C – Continued

13161	ncrc1836	13217	ncrc1914	13273	ncrc2011	13329	ncrc2092	13385	ncrc2182
13162	ncrc1837	13218	ncrc1915	13274	ncrc2013	13330	ncrc2093	13386	ncrc2183
13163	ncrc1839	13219	ncrc1916	13275	ncrc2014	13331	ncrc2096	13387	ncrc2185
13164	ncrc1843	13220	ncrc1917	13276	ncrc2015	13332	ncrc2097	13388	ncrc2186
13165	ncrc1844	13221	ncrc1918	13277	ncrc2016	13333	ncrc2098	13389	ncrc2187
13166	ncrc1845	13222	ncrc1919	13278	ncrc2017	13334	ncrc2099	13390	ncrc2189
13167	ncrc1847	13223	ncrc1920	13279	ncrc2018	13335	ncrc2103	13391	ncrc2191
13168	ncrc1848	13224	ncrc1921	13280	ncrc2019	13336	ncrc2106	13392	ncrc2192
13169	ncrc1849	13225	ncrc1923	13281	ncrc2020	13337	ncrc2108	13393	ncrc2193
13170	ncrc1852	13226	ncrc1924	13282	ncrc2024	13338	ncrc2110	13394	ncrc2195
13171	ncrc1853	13227	ncrc1927	13283	ncrc2025	13339	ncrc2111	13395	ncrc2196
13172	ncrc1854	13228	ncrc1929	13284	ncrc2027	13340	ncrc2112	13396	ncrc2199
13173	ncrc1855	13229	ncrc1937	13285	ncrc2031	13341	ncrc2113	13397	ncrc2201
13174	ncrc1856	13230	ncrc1939	13286	ncrc2035	13342	ncrc2114	13398	ncrc2202
13175	ncrc1857	13231	ncrc1941	13287	ncrc2036	13343	ncrc2119	13399	ncrc2203
13176	ncrc1859	13232	ncrc1944	13288	ncrc2037	13344	ncrc2120	13400	ncrc2204
13177	ncrc1860	13233	ncrc1945	13289	ncrc2039	13345	ncrc2121	13401	ncrc2205
13178	ncrc1861	13234	ncrc1946	13290	ncrc2040	13346	ncrc2123	13402	ncrc2206
13179	ncrc1864	13235	ncrc1947	13291	ncrc2041	13347	ncrc2124	13403	ncrc2207
13180	ncrc1867	13236	ncrc1949	13292	ncrc2042	13348	ncrc2128	13404	ncrc2208
13181	ncrc1868	13237	ncrc1951	13293	ncrc2043	13349	ncrc2129	13405	ncrc2209
13182	ncrc1870	13238	ncrc1952	13294	ncrc2044	13350	ncrc2131	13406	ncrc2210
13183	ncrc1871	13239	ncrc1956	13295	ncrc2045	13351	ncrc2132	13407	ncrc2211
13184	ncrc1872	13240	ncrc1959	13296	ncrc2047	13352	ncrc2133	13408	ncrc2215
13185	ncrc1873	13241	ncrc1960	13297	ncrc2048	13353	ncrc2135	13409	ncrc2219
13186	ncrc1875	13242	ncrc1963	13298	ncrc2049	13354	ncrc2137	13410	ncrc2224
13187	ncrc1876	13243	ncrc1967	13299	ncrc2051	13355	ncrc2139	13411	ncrc2225
13188	ncrc1877	13244	ncrc1968	13300	ncrc2052	13356	ncrc2140	13412	ncrc2227
13189	ncrc1878	13245	ncrc1969	13301	ncrc2055	13357	ncrc2141	13413	ncrc2232
13190	ncrc1879	13246	ncrc1971	13302	ncrc2056	13358	ncrc2142	13414	ncrc2233
13191	ncrc1880	13247	ncrc1973	13303	ncrc2057	13359	ncrc2144	13415	ncrc2234
13192	ncrc1881	13248	ncrc1975	13304	ncrc2058	13360	ncrc2145	13416	ncrc2235
13193	ncrc1883	13249	ncrc1976	13305	ncrc2059	13361	ncrc2147	13417	ncrc2236
13194	ncrc1884	13250	ncrc1977	13306	ncrc2060	13362	ncrc2149	13418	ncrc2237
13195	ncrc1885	13251	ncrc1980	13307	ncrc2063	13363	ncrc2151	13419	ncrc2239
13196	ncrc1886	13252	ncrc1981	13308	ncrc2064	13364	ncrc2152	13420	ncrc2240
13197	ncrc1887	13253	ncrc1982	13309	ncrc2065	13365	ncrc2153	13421	ncrc2243
13198	ncrc1888	13254	ncrc1985	13310	ncrc2067	13366	ncrc2154	13422	ncrc2244
13199	ncrc1889	13255	ncrc1986	13311	ncrc2068	13367	ncrc2155	13423	ncrc2247
13200	ncrc1891	13256	ncrc1988	13312	ncrc2069	13368	ncrc2156	13424	ncrc2248
13201	ncrc1892	13257	ncrc1989	13313	ncrc2070	13369	ncrc2158	13425	ncrc2250
13202	ncrc1893	13258	ncrc1990	13314	ncrc2071	13370	ncrc2160	13426	ncrc2254
13203	ncrc1894	13259	ncrc1991	13315	ncrc2072	13371	ncrc2161	13427	ncrc2257
13204	ncrc1896	13260	ncrc1992	13316	ncrc2073	13372	ncrc2164	13428	ncrc2259
13205	ncrc1899	13261	ncrc1993	13317	ncrc2074	13373	ncrc2165	13429	ncrc2260
13206	ncrc1900	13262	ncrc1995	13318	ncrc2075	13374	ncrc2166	13430	ncrc2261
13207	ncrc1901	13263	ncrc1996	13319	ncrc2076	13375	ncrc2168	13431	ncrc2262
13208	ncrc1902	13264	ncrc1997	13320	ncrc2078	13376	ncrc2171	13432	ncrc2265
13209	ncrc1903	13265	ncrc1999	13321	ncrc2079	13377	ncrc2172	13433	ncrc2266
13210	ncrc1904	13266	ncrc2000	13322	ncrc2080	13378	ncrc2173	13434	ncrc2267
13211	ncrc1905	13267	ncrc2003	13323	ncrc2082	13379	ncrc2175	13435	ncrc2268
13212	ncrc1906	13268	ncrc2004	13324	ncrc2085	13380	ncrc2176	13436	ncrc2270
13213	ncrc1907	13269	ncrc2005	13325	ncrc2086	13381	ncrc2177	13437	ncrc2272
13214	ncrc1909	13270	ncrc2007	13326	ncrc2087	13382	ncrc2179	13438	ncrc2273
13215	ncrc1912	13271	ncrc2008	13327	ncrc2090	13383	ncrc2180	13439	ncrc2279
13216	ncrc1913	13272	ncrc2010	13328	ncrc2091	13384	ncrc2181	13440	ncrc2280

Figure 6C – Continued

13441	ncrc2282	13497	ncrc2395	13553	ncrc2483	13609	ncrc2584	13665	ncrc2671
13442	ncrc2283	13498	ncrc2396	13554	ncrc2484	13610	ncrc2585	13666	ncrc2673
13443	ncrc2284	13499	ncrc2397	13555	ncrc2485	13611	ncrc2586	13667	ncrc2674
13444	ncrc2285	13500	ncrc2400	13556	ncrc2488	13612	ncrc2587	13668	ncrc2675
13445	ncrc2288	13501	ncrc2401	13557	ncrc2490	13613	ncrc2588	13669	ncrc2676
13446	ncrc2289	13502	ncrc2402	13558	ncrc2491	13614	ncrc2590	13670	ncrc2677
13447	ncrc2290	13503	ncrc2403	13559	ncrc2492	13615	ncrc2591	13671	ncrc2680
13448	ncrc2292	13504	ncrc2404	13560	ncrc2493	13616	ncrc2592	13672	ncrc2681
13449	ncrc2293	13505	ncrc2407	13561	ncrc2495	13617	ncrc2593	13673	ncrc2682
13450	ncrc2295	13506	ncrc2408	13562	ncrc2496	13618	ncrc2595	13674	ncrc2683
13451	ncrc2298	13507	ncrc2413	13563	ncrc2497	13619	ncrc2596	13675	ncrc2685
13452	ncrc2299	13508	ncrc2415	13564	ncrc2499	13620	ncrc2600	13676	ncrc2686
13453	ncrc2300	13509	ncrc2416	13565	ncrc2500	13621	ncrc2601	13677	ncrc2687
13454	ncrc2302	13510	ncrc2417	13566	ncrc2503	13622	ncrc2603	13678	ncrc2689
13455	ncrc2303	13511	ncrc2421	13567	ncrc2504	13623	ncrc2607	13679	ncrc2690
13456	ncrc2305	13512	ncrc2423	13568	ncrc2505	13624	ncrc2609	13680	ncrc2691
13457	ncrc2306	13513	ncrc2424	13569	ncrc2507	13625	ncrc2611	13681	ncrc2692
13458	ncrc2311	13514	ncrc2425	13570	ncrc2508	13626	ncrc2612	13682	ncrc2693
13459	ncrc2313	13515	ncrc2426	13571	ncrc2509	13627	ncrc2613	13683	ncrc2695
13460	ncrc2315	13516	ncrc2427	13572	ncrc2512	13628	ncrc2617	13684	ncrc2696
13461	ncrc2317	13517	ncrc2428	13573	ncrc2513	13629	ncrc2618	13685	ncrc2699
13462	ncrc2318	13518	ncrc2429	13574	ncrc2516	13630	ncrc2619	13686	ncrc2700
13463	ncrc2319	13519	ncrc2430	13575	ncrc2517	13631	ncrc2620	13687	ncrc2701
13464	ncrc2320	13520	ncrc2432	13576	ncrc2519	13632	ncrc2621	13688	ncrc2702
13465	ncrc2321	13521	ncrc2433	13577	ncrc2521	13633	ncrc2622	13689	ncrc2704
13466	ncrc2323	13522	ncrc2437	13578	ncrc2523	13634	ncrc2625	13690	ncrc2705
13467	ncrc2324	13523	ncrc2439	13579	ncrc2524	13635	ncrc2627	13691	ncrc2708
13468	ncrc2325	13524	ncrc2440	13580	ncrc2529	13636	ncrc2628	13692	ncrc2709
13469	ncrc2327	13525	ncrc2441	13581	ncrc2531	13637	ncrc2631	13693	ncrc2711
13470	ncrc2330	13526	ncrc2442	13582	ncrc2532	13638	ncrc2632	13694	ncrc2712
13471	ncrc2333	13527	ncrc2443	13583	ncrc2533	13639	ncrc2633	13695	ncrc2713
13472	ncrc2341	13528	ncrc2444	13584	ncrc2536	13640	ncrc2635	13696	ncrc2715
13473	ncrc2347	13529	ncrc2446	13585	ncrc2537	13641	ncrc2638	13697	ncrc2716
13474	ncrc2355	13530	ncrc2448	13586	ncrc2538	13642	ncrc2639	13698	ncrc2718
13475	ncrc2356	13531	ncrc2451	13587	ncrc2539	13643	ncrc2641	13699	ncrc2719
13476	ncrc2357	13532	ncrc2452	13588	ncrc2540	13644	ncrc2643	13700	ncrc2720
13477	ncrc2360	13533	ncrc2453	13589	ncrc2542	13645	ncrc2644	13701	ncrc2724
13478	ncrc2363	13534	ncrc2454	13590	ncrc2553	13646	ncrc2645	13702	ncrc2725
13479	ncrc2365	13535	ncrc2459	13591	ncrc2555	13647	ncrc2647	13703	ncrc2727
13480	ncrc2366	13536	ncrc2461	13592	ncrc2556	13648	ncrc2648	13704	ncrc2729
13481	ncrc2367	13537	ncrc2462	13593	ncrc2557	13649	ncrc2649	13705	ncrc2730
13482	ncrc2368	13538	ncrc2463	13594	ncrc2558	13650	ncrc2650	13706	ncrc2731
13483	ncrc2369	13539	ncrc2464	13595	ncrc2560	13651	ncrc2654	13707	ncrc2733
13484	ncrc2371	13540	ncrc2466	13596	ncrc2563	13652	ncrc2655	13708	ncrc2734
13485	ncrc2375	13541	ncrc2467	13597	ncrc2564	13653	ncrc2656	13709	ncrc2735
13486	ncrc2376	13542	ncrc2468	13598	ncrc2567	13654	ncrc2657	13710	ncrc2736
13487	ncrc2377	13543	ncrc2469	13599	ncrc2568	13655	ncrc2659	13711	ncrc2744
13488	ncrc2379	13544	ncrc2470	13600	ncrc2569	13656	ncrc2661	13712	ncrc2745
13489	ncrc2381	13545	ncrc2472	13601	ncrc2571	13657	ncrc2662	13713	ncrc2746
13490	ncrc2382	13546	ncrc2475	13602	ncrc2572	13658	ncrc2663	13714	ncrc2747
13491	ncrc2384	13547	ncrc2476	13603	ncrc2576	13659	ncrc2665	13715	ncrc2748
13492	ncrc2387	13548	ncrc2477	13604	ncrc2578	13660	ncrc2666	13716	ncrc2749
13493	ncrc2388	13549	ncrc2478	13605	ncrc2579	13661	ncrc2667	13717	ncrc2752
13494	ncrc2391	13550	ncrc2480	13606	ncrc2580	13662	ncrc2668	13718	ncrc2756
13495	ncrc2393	13551	ncrc2481	13607	ncrc2581	13663	ncrc2669	13719	ncrc2758
13496	ncrc2394	13552	ncrc2482	13608	ncrc2583	13664	ncrc2670	13720	ncrc2759

Figure 6C -- Continued

13721	ncrc2760	13777	ncrc2850	13833	ncrc2938	13889	ncrc3028	13945	ncrc3102
13722	ncrc2761	13778	ncrc2852	13834	ncrc2939	13890	ncrc3029	13946	ncrc3103
13723	ncrc2762	13779	ncrc2853	13835	ncrc2940	13891	ncrc3030	13947	ncrc3104
13724	ncrc2763	13780	ncrc2855	13836	ncrc2941	13892	ncrc3031	13948	ncrc3107
13725	ncrc2765	13781	ncrc2856	13837	ncrc2942	13893	ncrc3033	13949	ncrc3108
13726	ncrc2768	13782	ncrc2857	13838	ncrc2943	13894	ncrc3034	13950	ncrc3111
13727	ncrc2769	13783	ncrc2859	13839	ncrc2944	13895	ncrc3035	13951	ncrc3112
13728	ncrc2771	13784	ncrc2861	13840	ncrc2945	13896	ncrc3036	13952	ncrc3114
13729	ncrc2772	13785	ncrc2862	13841	ncrc2948	13897	ncrc3039	13953	ncrc3115
13730	ncrc2775	13786	ncrc2863	13842	ncrc2949	13898	ncrc3040	13954	ncrc3116
13731	ncrc2776	13787	ncrc2864	13843	ncrc2950	13899	ncrc3041	13955	ncrc3119
13732	ncrc2779	13788	ncrc2865	13844	ncrc2953	13900	ncrc3043	13956	ncrc3120
13733	ncrc2780	13789	ncrc2868	13845	ncrc2955	13901	ncrc3044	13957	ncrc3121
13734	ncrc2784	13790	ncrc2869	13846	ncrc2956	13902	ncrc3045	13958	ncrc3124
13735	ncrc2785	13791	ncrc2871	13847	ncrc2957	13903	ncrc3046	13959	ncrc3126
13736	ncrc2786	13792	ncrc2872	13848	ncrc2958	13904	ncrc3047	13960	ncrc3127
13737	ncrc2788	13793	ncrc2873	13849	ncrc2959	13905	ncrc3049	13961	ncrc3128
13738	ncrc2791	13794	ncrc2874	13850	ncrc2960	13906	ncrc3050	13962	ncrc3129
13739	ncrc2793	13795	ncrc2876	13851	ncrc2961	13907	ncrc3051	13963	ncrc3130
13740	ncrc2795	13796	ncrc2878	13852	ncrc2963	13908	ncrc3052	13964	ncrc3131
13741	ncrc2796	13797	ncrc2879	13853	ncrc2965	13909	ncrc3053	13965	ncrc3132
13742	ncrc2799	13798	ncrc2880	13854	ncrc2967	13910	ncrc3054	13966	ncrc3133
13743	ncrc2800	13799	ncrc2881	13855	ncrc2968	13911	ncrc3055	13967	ncrc3135
13744	ncrc2801	13800	ncrc2884	13856	ncrc2969	13912	ncrc3056	13968	ncrc3136
13745	ncrc2804	13801	ncrc2887	13857	ncrc2970	13913	ncrc3057	13969	ncrc3137
13746	ncrc2807	13802	ncrc2888	13858	ncrc2971	13914	ncrc3059	13970	ncrc3141
13747	ncrc2808	13803	ncrc2891	13859	ncrc2972	13915	ncrc3060	13971	ncrc3144
13748	ncrc2811	13804	ncrc2893	13860	ncrc2974	13916	ncrc3061	13972	ncrc3145
13749	ncrc2812	13805	ncrc2894	13861	ncrc2975	13917	ncrc3063	13973	ncrc3148
13750	ncrc2813	13806	ncrc2895	13862	ncrc2976	13918	ncrc3065	13974	ncrc3149
13751	ncrc2814	13807	ncrc2896	13863	ncrc2984	13919	ncrc3066	13975	ncrc3150
13752	ncrc2815	13808	ncrc2897	13864	ncrc2985	13920	ncrc3067	13976	ncrc3151
13753	ncrc2816	13809	ncrc2900	13865	ncrc2988	13921	ncrc3068	13977	ncrc3152
13754	ncrc2817	13810	ncrc2904	13866	ncrc2989	13922	ncrc3070	13978	ncrc3153
13755	ncrc2819	13811	ncrc2905	13867	ncrc2991	13923	ncrc3071	13979	ncrc3154
13756	ncrc2820	13812	ncrc2907	13868	ncrc2993	13924	ncrc3072	13980	ncrc3155
13757	ncrc2821	13813	ncrc2909	13869	ncrc2995	13925	ncrc3073	13981	ncrc3156
13758	ncrc2824	13814	ncrc2910	13870	ncrc2997	13926	ncrc3074	13982	ncrc3157
13759	ncrc2825	13815	ncrc2911	13871	ncrc2999	13927	ncrc3075	13983	ncrc3159
13760	ncrc2826	13816	ncrc2912	13872	ncrc3002	13928	ncrc3076	13984	ncrc3161
13761	ncrc2827	13817	ncrc2913	13873	ncrc3003	13929	ncrc3079	13985	ncrc3165
13762	ncrc2828	13818	ncrc2916	13874	ncrc3004	13930	ncrc3080	13986	ncrc3167
13763	ncrc2829	13819	ncrc2917	13875	ncrc3005	13931	ncrc3083	13987	ncrc3168
13764	ncrc2830	13820	ncrc2919	13876	ncrc3007	13932	ncrc3084	13988	ncrc3169
13765	ncrc2831	13821	ncrc2920	13877	ncrc3008	13933	ncrc3085	13989	ncrc3171
13766	ncrc2832	13822	ncrc2921	13878	ncrc3009	13934	ncrc3086	13990	ncrc3172
13767	ncrc2833	13823	ncrc2922	13879	ncrc3011	13935	ncrc3087	13991	ncrc3175
13768	ncrc2835	13824	ncrc2923	13880	ncrc3012	13936	ncrc3089	13992	ncrc3177
13769	ncrc2836	13825	ncrc2924	13881	ncrc3013	13937	ncrc3091	13993	ncrc3179
13770	ncrc2839	13826	ncrc2926	13882	ncrc3016	13938	ncrc3092	13994	ncrc3180
13771	ncrc2840	13827	ncrc2927	13883	ncrc3018	13939	ncrc3093	13995	ncrc3181
13772	ncrc2841	13828	ncrc2928	13884	ncrc3020	13940	ncrc3095	13996	ncrc3188
13773	ncrc2842	13829	ncrc2929	13885	ncrc3022	13941	ncrc3096	13997	ncrc3193
13774	ncrc2847	13830	ncrc2933	13886	ncrc3023	13942	ncrc3097	13998	ncrc3194
13775	ncrc2848	13831	ncrc2935	13887	ncrc3025	13943	ncrc3098	13999	ncrc3195
13776	ncrc2849	13832	ncrc2937	13888	ncrc3027	13944	ncrc3100	14000	ncrc3196

Figure 6C – Continued

14001	ncrc3197	14057	ncrc3288	14113	ncrc3376	14169	ncrc3469	14225	ncrc3585
14002	ncrc3198	14058	ncrc3289	14114	ncrc3377	14170	ncrc3471	14226	ncrc3587
14003	ncrc3199	14059	ncrc3290	14115	ncrc3380	14171	ncrc3475	14227	ncrc3589
14004	ncrc3200	14060	ncrc3291	14116	ncrc3381	14172	ncrc3479	14228	ncrc3593
14005	ncrc3201	14061	ncrc3292	14117	ncrc3383	14173	ncrc3480	14229	ncrc3594
14006	ncrc3203	14062	ncrc3295	14118	ncrc3387	14174	ncrc3487	14230	ncrc3595
14007	ncrc3204	14063	ncrc3296	14119	ncrc3389	14175	ncrc3489	14231	ncrc3596
14008	ncrc3207	14064	ncrc3299	14120	ncrc3390	14176	ncrc3491	14232	ncrc3598
14009	ncrc3208	14065	ncrc3300	14121	ncrc3391	14177	ncrc3495	14233	ncrc3599
14010	ncrc3211	14066	ncrc3301	14122	ncrc3392	14178	ncrc3496	14234	ncrc3604
14011	ncrc3214	14067	ncrc3303	14123	ncrc3393	14179	ncrc3497	14235	ncrc3605
14012	ncrc3215	14068	ncrc3304	14124	ncrc3395	14180	ncrc3499	14236	ncrc3609
14013	ncrc3216	14069	ncrc3305	14125	ncrc3396	14181	ncrc3500	14237	ncrc3610
14014	ncrc3217	14070	ncrc3306	14126	ncrc3401	14182	ncrc3503	14238	ncrc3611
14015	ncrc3219	14071	ncrc3307	14127	ncrc3403	14183	ncrc3504	14239	ncrc3613
14016	ncrc3220	14072	ncrc3310	14128	ncrc3407	14184	ncrc3505	14240	ncrc3616
14017	ncrc3223	14073	ncrc3312	14129	ncrc3408	14185	ncrc3508	14241	ncrc3620
14018	ncrc3225	14074	ncrc3313	14130	ncrc3409	14186	ncrc3509	14242	ncrc3621
14019	ncrc3226	14075	ncrc3315	14131	ncrc3413	14187	ncrc3513	14243	ncrc3622
14020	ncrc3227	14076	ncrc3316	14132	ncrc3415	14188	ncrc3514	14244	ncrc3623
14021	ncrc3228	14077	ncrc3317	14133	ncrc3416	14189	ncrc3515	14245	ncrc3624
14022	ncrc3230	14078	ncrc3318	14134	ncrc3417	14190	ncrc3516	14246	ncrc3625
14023	ncrc3231	14079	ncrc3319	14135	ncrc3418	14191	ncrc3520	14247	ncrc3626
14024	ncrc3233	14080	ncrc3321	14136	ncrc3419	14192	ncrc3523	14248	ncrc3628
14025	ncrc3235	14081	ncrc3324	14137	ncrc3421	14193	ncrc3524	14249	ncrc3630
14026	ncrc3236	14082	ncrc3325	14138	ncrc3422	14194	ncrc3525	14250	ncrc3631
14027	ncrc3237	14083	ncrc3326	14139	ncrc3423	14195	ncrc3526	14251	ncrc3632
14028	ncrc3238	14084	ncrc3327	14140	ncrc3424	14196	ncrc3529	14252	ncrc3634
14029	ncrc3240	14085	ncrc3328	14141	ncrc3425	14197	ncrc3530	14253	ncrc3635
14030	ncrc3241	14086	ncrc3330	14142	ncrc3428	14198	ncrc3532	14254	ncrc3637
14031	ncrc3242	14087	ncrc3332	14143	ncrc3429	14199	ncrc3535	14255	ncrc3641
14032	ncrc3243	14088	ncrc3334	14144	ncrc3431	14200	ncrc3536	14256	ncrc3643
14033	ncrc3244	14089	ncrc3335	14145	ncrc3432	14201	ncrc3537	14257	ncrc3645
14034	ncrc3245	14090	ncrc3336	14146	ncrc3433	14202	ncrc3538	14258	ncrc3647
14035	ncrc3246	14091	ncrc3338	14147	ncrc3434	14203	ncrc3540	14259	ncrc3648
14036	ncrc3248	14092	ncrc3341	14148	ncrc3435	14204	ncrc3541	14260	ncrc3650
14037	ncrc3250	14093	ncrc3342	14149	ncrc3436	14205	ncrc3544	14261	ncrc3655
14038	ncrc3252	14094	ncrc3343	14150	ncrc3439	14206	ncrc3546	14262	ncrc3656
14039	ncrc3253	14095	ncrc3344	14151	ncrc3440	14207	ncrc3547	14263	ncrc3657
14040	ncrc3255	14096	ncrc3345	14152	ncrc3442	14208	ncrc3548	14264	ncrc3661
14041	ncrc3256	14097	ncrc3347	14153	ncrc3443	14209	ncrc3550	14265	ncrc3664
14042	ncrc3257	14098	ncrc3349	14154	ncrc3444	14210	ncrc3551	14266	ncrc3667
14043	ncrc3258	14099	ncrc3351	14155	ncrc3445	14211	ncrc3552	14267	ncrc3671
14044	ncrc3259	14100	ncrc3352	14156	ncrc3447	14212	ncrc3554	14268	ncrc3672
14045	ncrc3260	14101	ncrc3354	14157	ncrc3449	14213	ncrc3556	14269	ncrc3676
14046	ncrc3263	14102	ncrc3355	14158	ncrc3451	14214	ncrc3560	14270	ncrc3678
14047	ncrc3268	14103	ncrc3356	14159	ncrc3453	14215	ncrc3564	14271	ncrc3679
14048	ncrc3271	14104	ncrc3358	14160	ncrc3454	14216	ncrc3568	14272	ncrc3681
14049	ncrc3272	14105	ncrc3359	14161	ncrc3456	14217	ncrc3569	14273	ncrc3683
14050	ncrc3276	14106	ncrc3360	14162	ncrc3457	14218	ncrc3571	14274	ncrc3684
14051	ncrc3277	14107	ncrc3361	14163	ncrc3460	14219	ncrc3573	14275	ncrc3685
14052	ncrc3279	14108	ncrc3362	14164	ncrc3461	14220	ncrc3575	14276	ncrc3690
14053	ncrc3281	14109	ncrc3364	14165	ncrc3462	14221	ncrc3577	14277	ncrc3691
14054	ncrc3283	14110	ncrc3367	14166	ncrc3464	14222	ncrc3579	14278	ncrc3692
14055	ncrc3285	14111	ncrc3369	14167	ncrc3465	14223	ncrc3581	14279	ncrc3695
14056	ncrc3287	14112	ncrc3375	14168	ncrc3468	14224	ncrc3582	14280	ncrc3697

Figure 6C -- Continued

14281	ncrc3699	14337	ncrc3787	14393	ncrc3891	14449	ncrc4001	14505	ncrc4098
14282	ncrc3700	14338	ncrc3790	14394	ncrc3893	14450	ncrc4004	14506	ncrc4099
14283	ncrc3702	14339	ncrc3791	14395	ncrc3895	14451	ncrc4006	14507	ncrc4101
14284	ncrc3703	14340	ncrc3794	14396	ncrc3896	14452	ncrc4009	14508	ncrc4102
14285	ncrc3704	14341	ncrc3795	14397	ncrc3900	14453	ncrc4011	14509	ncrc4103
14286	ncrc3706	14342	ncrc3797	14398	ncrc3901	14454	ncrc4012	14510	ncrc4104
14287	ncrc3707	14343	ncrc3798	14399	ncrc3903	14455	ncrc4014	14511	ncrc4107
14288	ncrc3708	14344	ncrc3799	14400	ncrc3904	14456	ncrc4015	14512	ncrc4111
14289	ncrc3709	14345	ncrc3801	14401	ncrc3905	14457	ncrc4016	14513	ncrc4112
14290	ncrc3710	14346	ncrc3802	14402	ncrc3908	14458	ncrc4017	14514	ncrc4113
14291	ncrc3712	14347	ncrc3803	14403	ncrc3909	14459	ncrc4020	14515	ncrc4114
14292	ncrc3713	14348	ncrc3805	14404	ncrc3911	14460	ncrc4021	14516	ncrc4116
14293	ncrc3717	14349	ncrc3807	14405	ncrc3914	14461	ncrc4024	14517	ncrc4117
14294	ncrc3718	14350	ncrc3810	14406	ncrc3916	14462	ncrc4025	14518	ncrc4119
14295	ncrc3719	14351	ncrc3813	14407	ncrc3917	14463	ncrc4026	14519	ncrc4121
14296	ncrc3720	14352	ncrc3814	14408	ncrc3918	14464	ncrc4027	14520	ncrc4122
14297	ncrc3721	14353	ncrc3816	14409	ncrc3919	14465	ncrc4028	14521	ncrc4123
14298	ncrc3722	14354	ncrc3817	14410	ncrc3921	14466	ncrc4029	14522	ncrc4124
14299	ncrc3723	14355	ncrc3821	14411	ncrc3922	14467	ncrc4030	14523	ncrc4125
14300	ncrc3724	14356	ncrc3827	14412	ncrc3923	14468	ncrc4032	14524	ncrc4129
14301	ncrc3725	14357	ncrc3828	14413	ncrc3925	14469	ncrc4033	14525	ncrc4130
14302	ncrc3727	14358	ncrc3829	14414	ncrc3927	14470	ncrc4036	14526	ncrc4131
14303	ncrc3728	14359	ncrc3832	14415	ncrc3928	14471	ncrc4040	14527	ncrc4132
14304	ncrc3733	14360	ncrc3837	14416	ncrc3930	14472	ncrc4041	14528	ncrc4135
14305	ncrc3735	14361	ncrc3838	14417	ncrc3934	14473	ncrc4043	14529	ncrc4136
14306	ncrc3736	14362	ncrc3839	14418	ncrc3935	14474	ncrc4045	14530	ncrc4137
14307	ncrc3737	14363	ncrc3840	14419	ncrc3936	14475	ncrc4047	14531	ncrc4139
14308	ncrc3738	14364	ncrc3841	14420	ncrc3937	14476	ncrc4048	14532	ncrc4143
14309	ncrc3743	14365	ncrc3842	14421	ncrc3939	14477	ncrc4049	14533	ncrc4144
14310	ncrc3744	14366	ncrc3844	14422	ncrc3952	14478	ncrc4052	14534	ncrc4145
14311	ncrc3748	14367	ncrc3847	14423	ncrc3953	14479	ncrc4055	14535	ncrc4146
14312	ncrc3749	14368	ncrc3849	14424	ncrc3955	14480	ncrc4057	14536	ncrc4147
14313	ncrc3750	14369	ncrc3851	14425	ncrc3956	14481	ncrc4059	14537	ncrc4148
14314	ncrc3751	14370	ncrc3853	14426	ncrc3957	14482	ncrc4060	14538	ncrc4152
14315	ncrc3752	14371	ncrc3855	14427	ncrc3959	14483	ncrc4063	14539	ncrc4153
14316	ncrc3753	14372	ncrc3856	14428	ncrc3964	14484	ncrc4065	14540	ncrc4159
14317	ncrc3754	14373	ncrc3857	14429	ncrc3968	14485	ncrc4067	14541	ncrc4160
14318	ncrc3757	14374	ncrc3859	14430	ncrc3969	14486	ncrc4068	14542	ncrc4163
14319	ncrc3759	14375	ncrc3860	14431	ncrc3971	14487	ncrc4069	14543	ncrc4164
14320	ncrc3761	14376	ncrc3864	14432	ncrc3972	14488	ncrc4071	14544	ncrc4165
14321	ncrc3762	14377	ncrc3865	14433	ncrc3975	14489	ncrc4072	14545	ncrc4168
14322	ncrc3763	14378	ncrc3870	14434	ncrc3976	14490	ncrc4073	14546	ncrc4169
14323	ncrc3765	14379	ncrc3872	14435	ncrc3978	14491	ncrc4074	14547	ncrc4170
14324	ncrc3766	14380	ncrc3873	14436	ncrc3979	14492	ncrc4075	14548	ncrc4171
14325	ncrc3767	14381	ncrc3875	14437	ncrc3980	14493	ncrc4076	14549	ncrc4177
14326	ncrc3769	14382	ncrc3876	14438	ncrc3982	14494	ncrc4079	14550	ncrc4179
14327	ncrc3772	14383	ncrc3877	14439	ncrc3984	14495	ncrc4081	14551	ncrc4180
14328	ncrc3773	14384	ncrc3879	14440	ncrc3987	14496	ncrc4084	14552	ncrc4182
14329	ncrc3775	14385	ncrc3880	14441	ncrc3988	14497	ncrc4085	14553	ncrc4184
14330	ncrc3776	14386	ncrc3881	14442	ncrc3991	14498	ncrc4086	14554	ncrc4185
14331	ncrc3777	14387	ncrc3882	14443	ncrc3992	14499	ncrc4087	14555	ncrc4186
14332	ncrc3778	14388	ncrc3883	14444	ncrc3993	14500	ncrc4088	14556	ncrc4188
14333	ncrc3781	14389	ncrc3886	14445	ncrc3995	14501	ncrc4089	14557	ncrc4189
14334	ncrc3782	14390	ncrc3887	14446	ncrc3998	14502	ncrc4092	14558	ncrc4190
14335	ncrc3785	14391	ncrc3888	14447	ncrc3999	14503	ncrc4093	14559	ncrc4191
14336	ncrc3786	14392	ncrc3889	14448	ncrc4000	14504	ncrc4095	14560	ncrc4192

Figure 6C - Continued

14561	ncrc4193	14617	ncrc4292	14673	ncrc4394	14729	ncrc4503	14785	ncrc4600
14562	ncrc4195	14618	ncrc4294	14674	ncrc4395	14730	ncrc4504	14786	ncrc4604
14563	ncrc4196	14619	ncrc4295	14675	ncrc4397	14731	ncrc4505	14787	ncrc4605
14564	ncrc4197	14620	ncrc4296	14676	ncrc4398	14732	ncrc4508	14788	ncrc4606
14565	ncrc4199	14621	ncrc4297	14677	ncrc4399	14733	ncrc4511	14789	ncrc4608
14566	ncrc4201	14622	ncrc4298	14678	ncrc4401	14734	ncrc4512	14790	ncrc4609
14567	ncrc4203	14623	ncrc4299	14679	ncrc4402	14735	ncrc4513	14791	ncrc4615
14568	ncrc4204	14624	ncrc4300	14680	ncrc4403	14736	ncrc4514	14792	ncrc4616
14569	ncrc4205	14625	ncrc4302	14681	ncrc4404	14737	ncrc4515	14793	ncrc4619
14570	ncrc4206	14626	ncrc4303	14682	ncrc4408	14738	ncrc4516	14794	ncrc4620
14571	ncrc4207	14627	ncrc4304	14683	ncrc4410	14739	ncrc4520	14795	ncrc4621
14572	ncrc4208	14628	ncrc4305	14684	ncrc4411	14740	ncrc4521	14796	ncrc4623
14573	ncrc4211	14629	ncrc4306	14685	ncrc4413	14741	ncrc4524	14797	ncrc4627
14574	ncrc4213	14630	ncrc4307	14686	ncrc4415	14742	ncrc4525	14798	ncrc4628
14575	ncrc4218	14631	ncrc4308	14687	ncrc4416	14743	ncrc4527	14799	ncrc4629
14576	ncrc4219	14632	ncrc4309	14688	ncrc4418	14744	ncrc4528	14800	ncrc4632
14577	ncrc4220	14633	ncrc4312	14689	ncrc4419	14745	ncrc4531	14801	ncrc4633
14578	ncrc4221	14634	ncrc4313	14690	ncrc4420	14746	ncrc4532	14802	ncrc4634
14579	ncrc4222	14635	ncrc4315	14691	ncrc4424	14747	ncrc4533	14803	ncrc4637
14580	ncrc4223	14636	ncrc4316	14692	ncrc4425	14748	ncrc4535	14804	ncrc4639
14581	ncrc4224	14637	ncrc4317	14693	ncrc4428	14749	ncrc4536	14805	ncrc4644
14582	ncrc4225	14638	ncrc4318	14694	ncrc4429	14750	ncrc4538	14806	ncrc4645
14583	ncrc4226	14639	ncrc4320	14695	ncrc4431	14751	ncrc4539	14807	ncrc4647
14584	ncrc4227	14640	ncrc4323	14696	ncrc4436	14752	ncrc4540	14808	ncrc4648
14585	ncrc4228	14641	ncrc4327	14697	ncrc4437	14753	ncrc4547	14809	ncrc4651
14586	ncrc4231	14642	ncrc4329	14698	ncrc4439	14754	ncrc4548	14810	ncrc4654
14587	ncrc4233	14643	ncrc4333	14699	ncrc4440	14755	ncrc4551	14811	ncrc4655
14588	ncrc4235	14644	ncrc4335	14700	ncrc4441	14756	ncrc4553	14812	ncrc4656
14589	ncrc4237	14645	ncrc4336	14701	ncrc4444	14757	ncrc4554	14813	ncrc4659
14590	ncrc4240	14646	ncrc4343	14702	ncrc4448	14758	ncrc4555	14814	ncrc4661
14591	ncrc4241	14647	ncrc4344	14703	ncrc4451	14759	ncrc4559	14815	ncrc4662
14592	ncrc4243	14648	ncrc4345	14704	ncrc4456	14760	ncrc4561	14816	ncrc4663
14593	ncrc4244	14649	ncrc4346	14705	ncrc4459	14761	ncrc4563	14817	ncrc4664
14594	ncrc4247	14650	ncrc4347	14706	ncrc4460	14762	ncrc4565	14818	ncrc4665
14595	ncrc4248	14651	ncrc4349	14707	ncrc4464	14763	ncrc4566	14819	ncrc4666
14596	ncrc4250	14652	ncrc4352	14708	ncrc4467	14764	ncrc4567	14820	ncrc4667
14597	ncrc4253	14653	ncrc4353	14709	ncrc4469	14765	ncrc4568	14821	ncrc4668
14598	ncrc4255	14654	ncrc4355	14710	ncrc4471	14766	ncrc4569	14822	ncrc4669
14599	ncrc4257	14655	ncrc4356	14711	ncrc4472	14767	ncrc4570	14823	ncrc4670
14600	ncrc4259	14656	ncrc4357	14712	ncrc4473	14768	ncrc4574	14824	ncrc4671
14601	ncrc4263	14657	ncrc4362	14713	ncrc4478	14769	ncrc4575	14825	ncrc4672
14602	ncrc4264	14658	ncrc4366	14714	ncrc4479	14770	ncrc4576	14826	ncrc4673
14603	ncrc4265	14659	ncrc4367	14715	ncrc4481	14771	ncrc4579	14827	ncrc4675
14604	ncrc4267	14660	ncrc4368	14716	ncrc4485	14772	ncrc4580	14828	ncrc4676
14605	ncrc4270	14661	ncrc4371	14717	ncrc4486	14773	ncrc4583	14829	ncrc4677
14606	ncrc4273	14662	ncrc4373	14718	ncrc4487	14774	ncrc4584	14830	ncrc4681
14607	ncrc4275	14663	ncrc4374	14719	ncrc4489	14775	ncrc4585	14831	ncrc4682
14608	ncrc4281	14664	ncrc4376	14720	ncrc4490	14776	ncrc4586	14832	ncrc4683
14609	ncrc4282	14665	ncrc4377	14721	ncrc4492	14777	ncrc4587	14833	ncrc4684
14610	ncrc4283	14666	ncrc4380	14722	ncrc4493	14778	ncrc4588	14834	ncrc4685
14611	ncrc4284	14667	ncrc4381	14723	ncrc4495	14779	ncrc4589	14835	ncrc4687
14612	ncrc4285	14668	ncrc4383	14724	ncrc4496	14780	ncrc4590	14836	ncrc4688
14613	ncrc4286	14669	ncrc4384	14725	ncrc4497	14781	ncrc4591	14837	ncrc4689
14614	ncrc4287	14670	ncrc4387	14726	ncrc4498	14782	ncrc4592	14838	ncrc4692
14615	ncrc4289	14671	ncrc4389	14727	ncrc4499	14783	ncrc4594	14839	ncrc4693
14616	ncrc4290	14672	ncrc4390	14728	ncrc4501	14784	ncrc4597	14840	ncrc4696

Figure 6C - Continued

14841	ncrc4697	14897	ncrc4804	14953	ncrc4903	15009	ncrc5008	15065	ncrc5105
14842	ncrc4698	14898	ncrc4807	14954	ncrc4904	15010	ncrc5013	15066	ncrc5107
14843	ncrc4700	14899	ncrc4808	14955	ncrc4907	15011	ncrc5015	15067	ncrc5108
14844	ncrc4701	14900	ncrc4809	14956	ncrc4909	15012	ncrc5016	15068	ncrc5109
14845	ncrc4703	14901	ncrc4811	14957	ncrc4911	15013	ncrc5017	15069	ncrc5113
14846	ncrc4704	14902	ncrc4812	14958	ncrc4912	15014	ncrc5019	15070	ncrc5117
14847	ncrc4705	14903	ncrc4814	14959	ncrc4916	15015	ncrc5020	15071	ncrc5121
14848	ncrc4706	14904	ncrc4815	14960	ncrc4917	15016	ncrc5021	15072	ncrc5123
14849	ncrc4707	14905	ncrc4819	14961	ncrc4919	15017	ncrc5023	15073	ncrc5124
14850	ncrc4712	14906	ncrc4820	14962	ncrc4920	15018	ncrc5025	15074	ncrc5125
14851	ncrc4713	14907	ncrc4824	14963	ncrc4923	15019	ncrc5031	15075	ncrc5128
14852	ncrc4716	14908	ncrc4827	14964	ncrc4924	15020	ncrc5033	15076	ncrc5132
14853	ncrc4719	14909	ncrc4828	14965	ncrc4926	15021	ncrc5034	15077	ncrc5135
14854	ncrc4720	14910	ncrc4829	14966	ncrc4931	15022	ncrc5035	15078	ncrc5136
14855	ncrc4721	14911	ncrc4830	14967	ncrc4932	15023	ncrc5036	15079	ncrc5137
14856	ncrc4723	14912	ncrc4831	14968	ncrc4933	15024	ncrc5039	15080	ncrc5139
14857	ncrc4724	14913	ncrc4835	14969	ncrc4936	15025	ncrc5040	15081	ncrc5140
14858	ncrc4728	14914	ncrc4839	14970	ncrc4937	15026	ncrc5041	15082	ncrc5141
14859	ncrc4732	14915	ncrc4840	14971	ncrc4939	15027	ncrc5045	15083	ncrc5143
14860	ncrc4733	14916	ncrc4842	14972	ncrc4940	15028	ncrc5047	15084	ncrc5145
14861	ncrc4734	14917	ncrc4843	14973	ncrc4942	15029	ncrc5048	15085	ncrc5146
14862	ncrc4735	14918	ncrc4844	14974	ncrc4945	15030	ncrc5050	15086	ncrc5147
14863	ncrc4740	14919	ncrc4848	14975	ncrc4947	15031	ncrc5051	15087	ncrc5149
14864	ncrc4741	14920	ncrc4849	14976	ncrc4950	15032	ncrc5052	15088	ncrc5150
14865	ncrc4745	14921	ncrc4851	14977	ncrc4953	15033	ncrc5053	15089	ncrc5155
14866	ncrc4746	14922	ncrc4852	14978	ncrc4954	15034	ncrc5054	15090	ncrc5156
14867	ncrc4747	14923	ncrc4854	14979	ncrc4955	15035	ncrc5056	15091	ncrc5157
14868	ncrc4752	14924	ncrc4855	14980	ncrc4956	15036	ncrc5060	15092	ncrc5158
14869	ncrc4753	14925	ncrc4856	14981	ncrc4957	15037	ncrc5061	15093	ncrc5162
14870	ncrc4755	14926	ncrc4857	14982	ncrc4958	15038	ncrc5062	15094	ncrc5163
14871	ncrc4756	14927	ncrc4859	14983	ncrc4964	15039	ncrc5064	15095	ncrc5167
14872	ncrc4757	14928	ncrc4861	14984	ncrc4966	15040	ncrc5065	15096	ncrc5168
14873	ncrc4758	14929	ncrc4862	14985	ncrc4967	15041	ncrc5066	15097	ncrc5169
14874	ncrc4759	14930	ncrc4863	14986	ncrc4970	15042	ncrc5067	15098	ncrc5171
14875	ncrc4760	14931	ncrc4864	14987	ncrc4971	15043	ncrc5069	15099	ncrc5172
14876	ncrc4766	14932	ncrc4867	14988	ncrc4972	15044	ncrc5070	15100	ncrc5175
14877	ncrc4771	14933	ncrc4869	14989	ncrc4973	15045	ncrc5071	15101	ncrc5176
14878	ncrc4772	14934	ncrc4870	14990	ncrc4974	15046	ncrc5072	15102	ncrc5177
14879	ncrc4773	14935	ncrc4871	14991	ncrc4976	15047	ncrc5075	15103	ncrc5178
14880	ncrc4776	14936	ncrc4872	14992	ncrc4977	15048	ncrc5076	15104	ncrc5179
14881	ncrc4778	14937	ncrc4874	14993	ncrc4978	15049	ncrc5077	15105	ncrc5180
14882	ncrc4779	14938	ncrc4875	14994	ncrc4981	15050	ncrc5079	15106	ncrc5181
14883	ncrc4780	14939	ncrc4876	14995	ncrc4985	15051	ncrc5081	15107	ncrc5182
14884	ncrc4782	14940	ncrc4877	14996	ncrc4986	15052	ncrc5083	15108	ncrc5183
14885	ncrc4785	14941	ncrc4878	14997	ncrc4987	15053	ncrc5086	15109	ncrc5184
14886	ncrc4786	14942	ncrc4879	14998	ncrc4988	15054	ncrc5087	15110	ncrc5187
14887	ncrc4787	14943	ncrc4880	14999	ncrc4989	15055	ncrc5088	15111	ncrc5191
14888	ncrc4788	14944	ncrc4882	15000	ncrc4991	15056	ncrc5090	15112	ncrc5199
14889	ncrc4789	14945	ncrc4885	15001	ncrc4993	15057	ncrc5091	15113	ncrc5200
14890	ncrc4792	14946	ncrc4888	15002	ncrc4994	15058	ncrc5092	15114	ncrc5204
14891	ncrc4793	14947	ncrc4891	15003	ncrc4995	15059	ncrc5095	15115	ncrc5205
14892	ncrc4794	14948	ncrc4894	15004	ncrc4996	15060	ncrc5098	15116	ncrc5207
14893	ncrc4798	14949	ncrc4896	15005	ncrc5000	15061	ncrc5099	15117	ncrc5208
14894	ncrc4799	14950	ncrc4897	15006	ncrc5001	15062	ncrc5100	15118	ncrc5209
14895	ncrc4800	14951	ncrc4899	15007	ncrc5003	15063	ncrc5101	15119	ncrc5211
14896	ncrc4802	14952	ncrc4900	15008	ncrc5007	15064	ncrc5104	15120	ncrc5212



Figure 6C – Continued

15121	ncrc5213	15177	ncrc5310	15233	ncrc5427	15289	ncrc5528	15345	ncrc5625
15122	ncrc5216	15178	ncrc5312	15234	ncrc5429	15290	ncrc5533	15346	ncrc5626
15123	ncrc5217	15179	ncrc5313	15235	ncrc5431	15291	ncrc5534	15347	ncrc5628
15124	ncrc5219	15180	ncrc5316	15236	ncrc5432	15292	ncrc5536	15348	ncrc5631
15125	ncrc5220	15181	ncrc5317	15237	ncrc5434	15293	ncrc5537	15349	ncrc5633
15126	ncrc5221	15182	ncrc5324	15238	ncrc5435	15294	ncrc5539	15350	ncrc5635
15127	ncrc5223	15183	ncrc5326	15239	ncrc5436	15295	ncrc5540	15351	ncrc5636
15128	ncrc5224	15184	ncrc5327	15240	ncrc5438	15296	ncrc5542	15352	ncrc5638
15129	ncrc5225	15185	ncrc5328	15241	ncrc5439	15297	ncrc5544	15353	ncrc5640
15130	ncrc5227	15186	ncrc5329	15242	ncrc5440	15298	ncrc5545	15354	ncrc5643
15131	ncrc5228	15187	ncrc5331	15243	ncrc5441	15299	ncrc5546	15355	ncrc5644
15132	ncrc5230	15188	ncrc5333	15244	ncrc5443	15300	ncrc5548	15356	ncrc5645
15133	ncrc5231	15189	ncrc5334	15245	ncrc5444	15301	ncrc5549	15357	ncrc5647
15134	ncrc5232	15190	ncrc5335	15246	ncrc5447	15302	ncrc5550	15358	ncrc5648
15135	ncrc5233	15191	ncrc5336	15247	ncrc5451	15303	ncrc5551	15359	ncrc5650
15136	ncrc5235	15192	ncrc5338	15248	ncrc5453	15304	ncrc5552	15360	ncrc5651
15137	ncrc5237	15193	ncrc5341	15249	ncrc5454	15305	ncrc5553	15361	ncrc5652
15138	ncrc5239	15194	ncrc5343	15250	ncrc5456	15306	ncrc5555	15362	ncrc5653
15139	ncrc5240	15195	ncrc5345	15251	ncrc5458	15307	ncrc5556	15363	ncrc5655
15140	ncrc5241	15196	ncrc5347	15252	ncrc5460	15308	ncrc5557	15364	ncrc5656
15141	ncrc5242	15197	ncrc5348	15253	ncrc5461	15309	ncrc5559	15365	ncrc5659
15142	ncrc5243	15198	ncrc5349	15254	ncrc5464	15310	ncrc5560	15366	ncrc5661
15143	ncrc5244	15199	ncrc5351	15255	ncrc5469	15311	ncrc5561	15367	ncrc5663
15144	ncrc5245	15200	ncrc5353	15256	ncrc5470	15312	ncrc5563	15368	ncrc5664
15145	ncrc5247	15201	ncrc5355	15257	ncrc5472	15313	ncrc5564	15369	ncrc5667
15146	ncrc5248	15202	ncrc5356	15258	ncrc5473	15314	ncrc5565	15370	ncrc5668
15147	ncrc5251	15203	ncrc5358	15259	ncrc5474	15315	ncrc5566	15371	ncrc5671
15148	ncrc5252	15204	ncrc5359	15260	ncrc5475	15316	ncrc5568	15372	ncrc5672
15149	ncrc5253	15205	ncrc5360	15261	ncrc5481	15317	ncrc5569	15373	ncrc5673
15150	ncrc5255	15206	ncrc5363	15262	ncrc5484	15318	ncrc5571	15374	ncrc5675
15151	ncrc5257	15207	ncrc5365	15263	ncrc5487	15319	ncrc5575	15375	ncrc5677
15152	ncrc5260	15208	ncrc5367	15264	ncrc5488	15320	ncrc5576	15376	ncrc5679
15153	ncrc5263	15209	ncrc5368	15265	ncrc5489	15321	ncrc5577	15377	ncrc5681
15154	ncrc5264	15210	ncrc5369	15266	ncrc5491	15322	ncrc5580	15378	ncrc5685
15155	ncrc5265	15211	ncrc5370	15267	ncrc5492	15323	ncrc5581	15379	ncrc5688
15156	ncrc5266	15212	ncrc5371	15268	ncrc5493	15324	ncrc5583	15380	ncrc5689
15157	ncrc5267	15213	ncrc5372	15269	ncrc5496	15325	ncrc5587	15381	ncrc5691
15158	ncrc5271	15214	ncrc5375	15270	ncrc5499	15326	ncrc5588	15382	ncrc5693
15159	ncrc5273	15215	ncrc5376	15271	ncrc5500	15327	ncrc5589	15383	ncrc5695
15160	ncrc5274	15216	ncrc5378	15272	ncrc5501	15328	ncrc5591	15384	ncrc5696
15161	ncrc5276	15217	ncrc5379	15273	ncrc5502	15329	ncrc5592	15385	ncrc5699
15162	ncrc5277	15218	ncrc5380	15274	ncrc5503	15330	ncrc5593	15386	ncrc5700
15163	ncrc5280	15219	ncrc5384	15275	ncrc5507	15331	ncrc5595	15387	ncrc5705
15164	ncrc5282	15220	ncrc5385	15276	ncrc5508	15332	ncrc5597	15388	ncrc5706
15165	ncrc5288	15221	ncrc5393	15277	ncrc5512	15333	ncrc5601	15389	ncrc5708
15166	ncrc5289	15222	ncrc5395	15278	ncrc5513	15334	ncrc5603	15390	ncrc5710
15167	ncrc5291	15223	ncrc5405	15279	ncrc5515	15335	ncrc5604	15391	ncrc5713
15168	ncrc5292	15224	ncrc5413	15280	ncrc5516	15336	ncrc5605	15392	ncrc5716
15169	ncrc5293	15225	ncrc5415	15281	ncrc5518	15337	ncrc5607	15393	ncrc5717
15170	ncrc5295	15226	ncrc5416	15282	ncrc5519	15338	ncrc5608	15394	ncrc5718
15171	ncrc5296	15227	ncrc5417	15283	ncrc5520	15339	ncrc5609	15395	ncrc5719
15172	ncrc5297	15228	ncrc5419	15284	ncrc5521	15340	ncrc5611	15396	ncrc5720
15173	ncrc5299	15229	ncrc5420	15285	ncrc5523	15341	ncrc5614	15397	ncrc5721
15174	ncrc5301	15230	ncrc5422	15286	ncrc5524	15342	ncrc5616	15398	ncrc5722
15175	ncrc5303	15231	ncrc5423	15287	ncrc5525	15343	ncrc5619	15399	ncrc5724
15176	ncrc5308	15232	ncrc5424	15288	ncrc5526	15344	ncrc5621	15400	ncrc5727

Figure 6C - Continued

15401	ncrc5729	15457	ncrc5839	15513	ncrc5949	15569	ncrc6072	15625	ncrc6165
15402	ncrc5731	15458	ncrc5842	15514	ncrc5950	15570	ncrc6073	15626	ncrc6171
15403	ncrc5734	15459	ncrc5843	15515	ncrc5951	15571	ncrc6075	15627	ncrc6172
15404	ncrc5735	15460	ncrc5844	15516	ncrc5954	15572	ncrc6076	15628	ncrc6173
15405	ncrc5736	15461	ncrc5845	15517	ncrc5955	15573	ncrc6077	15629	ncrc6174
15406	ncrc5737	15462	ncrc5848	15518	ncrc5956	15574	ncrc6079	15630	ncrc6175
15407	ncrc5738	15463	ncrc5850	15519	ncrc5959	15575	ncrc6081	15631	ncrc6177
15408	ncrc5739	15464	ncrc5854	15520	ncrc5960	15576	ncrc6084	15632	ncrc6179
15409	ncrc5740	15465	ncrc5856	15521	ncrc5961	15577	ncrc6087	15633	ncrc6180
15410	ncrc5744	15466	ncrc5857	15522	ncrc5972	15578	ncrc6088	15634	ncrc6181
15411	ncrc5745	15467	ncrc5863	15523	ncrc5975	15579	ncrc6091	15635	ncrc6185
15412	ncrc5746	15468	ncrc5867	15524	ncrc5977	15580	ncrc6092	15636	ncrc6187
15413	ncrc5748	15469	ncrc5869	15525	ncrc5979	15581	ncrc6096	15637	ncrc6188
15414	ncrc5751	15470	ncrc5871	15526	ncrc5981	15582	ncrc6097	15638	ncrc6190
15415	ncrc5752	15471	ncrc5872	15527	ncrc5982	15583	ncrc6100	15639	ncrc6191
15416	ncrc5754	15472	ncrc5875	15528	ncrc5993	15584	ncrc6102	15640	ncrc6192
15417	ncrc5756	15473	ncrc5876	15529	ncrc5996	15585	ncrc6104	15641	ncrc6193
15418	ncrc5758	15474	ncrc5877	15530	ncrc5998	15586	ncrc6105	15642	ncrc6195
15419	ncrc5759	15475	ncrc5881	15531	ncrc5999	15587	ncrc6109	15643	ncrc6197
15420	ncrc5760	15476	ncrc5883	15532	ncrc6000	15588	ncrc6110	15644	ncrc6198
15421	ncrc5762	15477	ncrc5886	15533	ncrc6003	15589	ncrc6112	15645	ncrc6199
15422	ncrc5763	15478	ncrc5887	15534	ncrc6004	15590	ncrc6113	15646	ncrc6200
15423	ncrc5767	15479	ncrc5888	15535	ncrc6005	15591	ncrc6117	15647	ncrc6202
15424	ncrc5768	15480	ncrc5896	15536	ncrc6006	15592	ncrc6118	15648	ncrc6203
15425	ncrc5769	15481	ncrc5897	15537	ncrc6008	15593	ncrc6119	15649	ncrc6205
15426	ncrc5772	15482	ncrc5902	15538	ncrc6011	15594	ncrc6120	15650	ncrc6211
15427	ncrc5775	15483	ncrc5904	15539	ncrc6012	15595	ncrc6123	15651	ncrc6212
15428	ncrc5780	15484	ncrc5905	15540	ncrc6015	15596	ncrc6124	15652	ncrc6213
15429	ncrc5781	15485	ncrc5907	15541	ncrc6016	15597	ncrc6126	15653	ncrc6214
15430	ncrc5783	15486	ncrc5908	15542	ncrc6017	15598	ncrc6127	15654	ncrc6216
15431	ncrc5784	15487	ncrc5909	15543	ncrc6024	15599	ncrc6128	15655	ncrc6217
15432	ncrc5788	15488	ncrc5910	15544	ncrc6025	15600	ncrc6129	15656	ncrc6220
15433	ncrc5792	15489	ncrc5911	15545	ncrc6026	15601	ncrc6130	15657	ncrc6221
15434	ncrc5793	15490	ncrc5912	15546	ncrc6029	15602	ncrc6131	15658	ncrc6222
15435	ncrc5801	15491	ncrc5914	15547	ncrc6030	15603	ncrc6133	15659	ncrc6224
15436	ncrc5802	15492	ncrc5915	15548	ncrc6031	15604	ncrc6135	15660	ncrc6225
15437	ncrc5804	15493	ncrc5916	15549	ncrc6033	15605	ncrc6136	15661	ncrc6226
15438	ncrc5806	15494	ncrc5919	15550	ncrc6037	15606	ncrc6137	15662	ncrc6228
15439	ncrc5807	15495	ncrc5921	15551	ncrc6040	15607	ncrc6138	15663	ncrc6229
15440	ncrc5808	15496	ncrc5923	15552	ncrc6041	15608	ncrc6139	15664	ncrc6231
15441	ncrc5813	15497	ncrc5926	15553	ncrc6042	15609	ncrc6141	15665	ncrc6232
15442	ncrc5814	15498	ncrc5927	15554	ncrc6043	15610	ncrc6142	15666	ncrc6234
15443	ncrc5819	15499	ncrc5928	15555	ncrc6047	15611	ncrc6143	15667	ncrc6236
15444	ncrc5821	15500	ncrc5929	15556	ncrc6049	15612	ncrc6144	15668	ncrc6237
15445	ncrc5822	15501	ncrc5930	15557	ncrc6050	15613	ncrc6146	15669	ncrc6238
15446	ncrc5823	15502	ncrc5931	15558	ncrc6052	15614	ncrc6147	15670	ncrc6239
15447	ncrc5824	15503	ncrc5932	15559	ncrc6056	15615	ncrc6148	15671	ncrc6240
15448	ncrc5828	15504	ncrc5933	15560	ncrc6058	15616	ncrc6151	15672	ncrc6241
15449	ncrc5829	15505	ncrc5934	15561	ncrc6059	15617	ncrc6153	15673	ncrc6242
15450	ncrc5830	15506	ncrc5937	15562	ncrc6060	15618	ncrc6155	15674	ncrc6243
15451	ncrc5831	15507	ncrc5939	15563	ncrc6062	15619	ncrc6156	15675	ncrc6247
15452	ncrc5833	15508	ncrc5940	15564	ncrc6063	15620	ncrc6159	15676	ncrc6252
15453	ncrc5834	15509	ncrc5944	15565	ncrc6067	15621	ncrc6160	15677	ncrc6256
15454	ncrc5835	15510	ncrc5946	15566	ncrc6068	15622	ncrc6161	15678	ncrc6257
15455	ncrc5836	15511	ncrc5947	15567	ncrc6069	15623	ncrc6163	15679	ncrc6261
15456	ncrc5837	15512	ncrc5948	15568	ncrc6071	15624	ncrc6164	15680	ncrc6264

Figure 6C – Continued

15681	ncrc6265	15737	ncrc6380	15793	ncrc6473	15849	ncrc6567	15905	ncrc6666
15682	ncrc6268	15738	ncrc6382	15794	ncrc6476	15850	ncrc6568	15906	ncrc6667
15683	ncrc6272	15739	ncrc6383	15795	ncrc6478	15851	ncrc6572	15907	ncrc6668
15684	ncrc6273	15740	ncrc6384	15796	ncrc6479	15852	ncrc6574	15908	ncrc6670
15685	ncrc6276	15741	ncrc6385	15797	ncrc6480	15853	ncrc6575	15909	ncrc6671
15686	ncrc6277	15742	ncrc6387	15798	ncrc6481	15854	ncrc6576	15910	ncrc6672
15687	ncrc6280	15743	ncrc6388	15799	ncrc6483	15855	ncrc6578	15911	ncrc6675
15688	ncrc6281	15744	ncrc6389	15800	ncrc6484	15856	ncrc6581	15912	ncrc6677
15689	ncrc6283	15745	ncrc6391	15801	ncrc6486	15857	ncrc6582	15913	ncrc6678
15690	ncrc6284	15746	ncrc6392	15802	ncrc6487	15858	ncrc6584	15914	ncrc6679
15691	ncrc6287	15747	ncrc6393	15803	ncrc6488	15859	ncrc6585	15915	ncrc6680
15692	ncrc6291	15748	ncrc6395	15804	ncrc6489	15860	ncrc6586	15916	ncrc6681
15693	ncrc6292	15749	ncrc6396	15805	ncrc6492	15861	ncrc6587	15917	ncrc6682
15694	ncrc6304	15750	ncrc6399	15806	ncrc6495	15862	ncrc6588	15918	ncrc6683
15695	ncrc6305	15751	ncrc6401	15807	ncrc6496	15863	ncrc6589	15919	ncrc6686
15696	ncrc6307	15752	ncrc6403	15808	ncrc6497	15864	ncrc6591	15920	ncrc6687
15697	ncrc6308	15753	ncrc6404	15809	ncrc6499	15865	ncrc6592	15921	ncrc6688
15698	ncrc6309	15754	ncrc6405	15810	ncrc6500	15866	ncrc6595	15922	ncrc6692
15699	ncrc6310	15755	ncrc6406	15811	ncrc6501	15867	ncrc6597	15923	ncrc6693
15700	ncrc6311	15756	ncrc6407	15812	ncrc6503	15868	ncrc6600	15924	ncrc6694
15701	ncrc6312	15757	ncrc6409	15813	ncrc6504	15869	ncrc6601	15925	ncrc6695
15702	ncrc6315	15758	ncrc6411	15814	ncrc6505	15870	ncrc6603	15926	ncrc6697
15703	ncrc6316	15759	ncrc6414	15815	ncrc6506	15871	ncrc6604	15927	ncrc6699
15704	ncrc6317	15760	ncrc6415	15816	ncrc6507	15872	ncrc6605	15928	ncrc6700
15705	ncrc6318	15761	ncrc6416	15817	ncrc6508	15873	ncrc6606	15929	ncrc6703
15706	ncrc6319	15762	ncrc6417	15818	ncrc6509	15874	ncrc6610	15930	ncrc6705
15707	ncrc6320	15763	ncrc6418	15819	ncrc6510	15875	ncrc6612	15931	ncrc6707
15708	ncrc6321	15764	ncrc6419	15820	ncrc6511	15876	ncrc6613	15932	ncrc6708
15709	ncrc6322	15765	ncrc6420	15821	ncrc6512	15877	ncrc6615	15933	ncrc6709
15710	ncrc6323	15766	ncrc6421	15822	ncrc6515	15878	ncrc6617	15934	ncrc6712
15711	ncrc6324	15767	ncrc6423	15823	ncrc6521	15879	ncrc6619	15935	ncrc6715
15712	ncrc6325	15768	ncrc6428	15824	ncrc6522	15880	ncrc6620	15936	ncrc6716
15713	ncrc6327	15769	ncrc6433	15825	ncrc6523	15881	ncrc6621	15937	ncrc6717
15714	ncrc6330	15770	ncrc6434	15826	ncrc6524	15882	ncrc6623	15938	ncrc6718
15715	ncrc6331	15771	ncrc6435	15827	ncrc6525	15883	ncrc6626	15939	ncrc6719
15716	ncrc6332	15772	ncrc6439	15828	ncrc6526	15884	ncrc6628	15940	ncrc6720
15717	ncrc6336	15773	ncrc6440	15829	ncrc6527	15885	ncrc6632	15941	ncrc6721
15718	ncrc6339	15774	ncrc6443	15830	ncrc6528	15886	ncrc6635	15942	ncrc6722
15719	ncrc6340	15775	ncrc6444	15831	ncrc6530	15887	ncrc6636	15943	ncrc6723
15720	ncrc6345	15776	ncrc6449	15832	ncrc6531	15888	ncrc6637	15944	ncrc6724
15721	ncrc6347	15777	ncrc6451	15833	ncrc6535	15889	ncrc6641	15945	ncrc6728
15722	ncrc6348	15778	ncrc6452	15834	ncrc6537	15890	ncrc6643	15946	ncrc6729
15723	ncrc6352	15779	ncrc6453	15835	ncrc6539	15891	ncrc6644	15947	ncrc6731
15724	ncrc6353	15780	ncrc6455	15836	ncrc6541	15892	ncrc6647	15948	ncrc6732
15725	ncrc6356	15781	ncrc6456	15837	ncrc6544	15893	ncrc6648	15949	ncrc6735
15726	ncrc6359	15782	ncrc6457	15838	ncrc6545	15894	ncrc6649	15950	ncrc6739
15727	ncrc6360	15783	ncrc6459	15839	ncrc6548	15895	ncrc6651	15951	ncrc6741
15728	ncrc6363	15784	ncrc6460	15840	ncrc6549	15896	ncrc6652	15952	ncrc6745
15729	ncrc6367	15785	ncrc6461	15841	ncrc6552	15897	ncrc6654	15953	ncrc6747
15730	ncrc6369	15786	ncrc6462	15842	ncrc6553	15898	ncrc6655	15954	ncrc6748
15731	ncrc6371	15787	ncrc6465	15843	ncrc6556	15899	ncrc6656	15955	ncrc6749
15732	ncrc6373	15788	ncrc6467	15844	ncrc6557	15900	ncrc6659	15956	ncrc6753
15733	ncrc6375	15789	ncrc6468	15845	ncrc6560	15901	ncrc6660	15957	ncrc6755
15734	ncrc6376	15790	ncrc6469	15846	ncrc6561	15902	ncrc6661	15958	ncrc6756
15735	ncrc6377	15791	ncrc6471	15847	ncrc6564	15903	ncrc6664	15959	ncrc6757
15736	ncrc6379	15792	ncrc6472	15848	ncrc6565	15904	ncrc6665	15960	ncrc6759

Figure 6C – Continued

15961	ncrc6760	16017	ncrc6870	16073	ncrc6981	16129	ncrc7081	16185	ncrc7186
15962	ncrc6763	16018	ncrc6871	16074	ncrc6982	16130	ncrc7082	16186	ncrc7188
15963	ncrc6768	16019	ncrc6872	16075	ncrc6984	16131	ncrc7083	16187	ncrc7189
15964	ncrc6774	16020	ncrc6873	16076	ncrc6985	16132	ncrc7085	16188	ncrc7192
15965	ncrc6776	16021	ncrc6874	16077	ncrc6986	16133	ncrc7086	16189	ncrc7193
15966	ncrc6777	16022	ncrc6875	16078	ncrc6988	16134	ncrc7090	16190	ncrc7195
15967	ncrc6778	16023	ncrc6878	16079	ncrc6991	16135	ncrc7091	16191	ncrc7196
15968	ncrc6782	16024	ncrc6881	16080	ncrc6992	16136	ncrc7092	16192	ncrc8833
15969	ncrc6783	16025	ncrc6883	16081	ncrc6993	16137	ncrc7096	16193	ncrc8834
15970	ncrc6784	16026	ncrc6888	16082	ncrc6994	16138	ncrc7097	16194	ncrc8835
15971	ncrc6787	16027	ncrc6889	16083	ncrc6995	16139	ncrc7098	16195	ncrc8836
15972	ncrc6789	16028	ncrc6890	16084	ncrc6996	16140	ncrc7099	16196	ncrc8837
15973	ncrc6790	16029	ncrc6895	16085	ncrc6997	16141	ncrc7100	16197	ncrc8839
15974	ncrc6794	16030	ncrc6896	16086	ncrc7000	16142	ncrc7102	16198	ncrc8841
15975	ncrc6795	16031	ncrc6897	16087	ncrc7002	16143	ncrc7104	16199	ncrc8844
15976	ncrc6796	16032	ncrc6899	16088	ncrc7003	16144	ncrc7105	16200	ncrc8846
15977	ncrc6798	16033	ncrc6900	16089	ncrc7005	16145	ncrc7107	16201	ncrc8847
15978	ncrc6800	16034	ncrc6905	16090	ncrc7006	16146	ncrc7108	16202	ncrc8848
15979	ncrc6801	16035	ncrc6907	16091	ncrc7007	16147	ncrc7113	16203	ncrc8849
15980	ncrc6803	16036	ncrc6908	16092	ncrc7008	16148	ncrc7116	16204	ncrc8851
15981	ncrc6804	16037	ncrc6912	16093	ncrc7009	16149	ncrc7120	16205	ncrc8852
15982	ncrc6805	16038	ncrc6913	16094	ncrc7010	16150	ncrc7121	16206	ncrc8853
15983	ncrc6810	16039	ncrc6915	16095	ncrc7012	16151	ncrc7123	16207	ncrc8855
15984	ncrc6811	16040	ncrc6920	16096	ncrc7016	16152	ncrc7125	16208	ncrc8856
15985	ncrc6813	16041	ncrc6921	16097	ncrc7023	16153	ncrc7127	16209	ncrc8859
15986	ncrc6814	16042	ncrc6924	16098	ncrc7024	16154	ncrc7128	16210	ncrc8860
15987	ncrc6815	16043	ncrc6925	16099	ncrc7027	16155	ncrc7131	16211	ncrc8861
15988	ncrc6817	16044	ncrc6927	16100	ncrc7028	16156	ncrc7132	16212	ncrc8862
15989	ncrc6818	16045	ncrc6928	16101	ncrc7029	16157	ncrc7134	16213	ncrc8863
15990	ncrc6819	16046	ncrc6929	16102	ncrc7035	16158	ncrc7136	16214	ncrc8865
15991	ncrc6823	16047	ncrc6931	16103	ncrc7038	16159	ncrc7137	16215	ncrc8867
15992	ncrc6825	16048	ncrc6932	16104	ncrc7039	16160	ncrc7139	16216	ncrc8871
15993	ncrc6827	16049	ncrc6935	16105	ncrc7040	16161	ncrc7144	16217	ncrc8873
15994	ncrc6831	16050	ncrc6936	16106	ncrc7041	16162	ncrc7146	16218	ncrc8876
15995	ncrc6832	16051	ncrc6937	16107	ncrc7043	16163	ncrc7148	16219	ncrc8878
15996	ncrc6833	16052	ncrc6939	16108	ncrc7044	16164	ncrc7151	16220	ncrc8879
15997	ncrc6839	16053	ncrc6941	16109	ncrc7045	16165	ncrc7153	16221	ncrc8880
15998	ncrc6840	16054	ncrc6944	16110	ncrc7049	16166	ncrc7155	16222	ncrc8881
15999	ncrc6841	16055	ncrc6945	16111	ncrc7050	16167	ncrc7156	16223	ncrc8883
16000	ncrc6843	16056	ncrc6947	16112	ncrc7051	16168	ncrc7158	16224	ncrc8884
16001	ncrc6844	16057	ncrc6948	16113	ncrc7052	16169	ncrc7159	16225	ncrc8887
16002	ncrc6846	16058	ncrc6949	16114	ncrc7055	16170	ncrc7160	16226	ncrc8888
16003	ncrc6848	16059	ncrc6953	16115	ncrc7056	16171	ncrc7161	16227	ncrc8889
16004	ncrc6849	16060	ncrc6954	16116	ncrc7057	16172	ncrc7162	16228	ncrc8891
16005	ncrc6852	16061	ncrc6955	16117	ncrc7060	16173	ncrc7163	16229	ncrc8892
16006	ncrc6853	16062	ncrc6959	16118	ncrc7062	16174	ncrc7165	16230	ncrc8893
16007	ncrc6856	16063	ncrc6961	16119	ncrc7065	16175	ncrc7168	16231	ncrc8895
16008	ncrc6857	16064	ncrc6964	16120	ncrc7066	16176	ncrc7169	16232	ncrc8896
16009	ncrc6859	16065	ncrc6965	16121	ncrc7067	16177	ncrc7171	16233	ncrc8897
16010	ncrc6860	16066	ncrc6966	16122	ncrc7068	16178	ncrc7173	16234	ncrc8901
16011	ncrc6861	16067	ncrc6970	16123	ncrc7069	16179	ncrc7174	16235	ncrc8903
16012	ncrc6862	16068	ncrc6972	16124	ncrc7070	16180	ncrc7179	16236	ncrc8904
16013	ncrc6863	16069	ncrc6974	16125	ncrc7071	16181	ncrc7180	16237	ncrc8907
16014	ncrc6864	16070	ncrc6976	16126	ncrc7076	16182	ncrc7181	16238	ncrc8908
16015	ncrc6867	16071	ncrc6977	16127	ncrc7078	16183	ncrc7184	16239	ncrc8909
16016	ncrc6868	16072	ncrc6979	16128	ncrc7080	16184	ncrc7185	16240	ncrc8910

Figure 6C -- Continued

16241	ncrc8911	16297	ncrc8995	16353	ncrc9071	16409	ncrc9160	16465	ncrc9237
16242	ncrc8912	16298	ncrc8997	16354	ncrc9073	16410	ncrc9161	16466	ncrc9239
16243	ncrc8915	16299	ncrc8998	16355	ncrc9077	16411	ncrc9163	16467	ncrc9240
16244	ncrc8916	16300	ncrc8999	16356	ncrc9078	16412	ncrc9164	16468	ncrc9242
16245	ncrc8917	16301	ncrc9000	16357	ncrc9079	16413	ncrc9166	16469	ncrc9243
16246	ncrc8919	16302	ncrc9002	16358	ncrc9080	16414	ncrc9167	16470	ncrc9244
16247	ncrc8920	16303	ncrc9003	16359	ncrc9081	16415	ncrc9168	16471	ncrc9245
16248	ncrc8921	16304	ncrc9004	16360	ncrc9082	16416	ncrc9169	16472	ncrc9246
16249	ncrc8922	16305	ncrc9005	16361	ncrc9083	16417	ncrc9172	16473	ncrc9247
16250	ncrc8923	16306	ncrc9006	16362	ncrc9084	16418	ncrc9173	16474	ncrc9248
16251	ncrc8924	16307	ncrc9007	16363	ncrc9085	16419	ncrc9174	16475	ncrc9249
16252	ncrc8925	16308	ncrc9008	16364	ncrc9086	16420	ncrc9175	16476	ncrc9250
16253	ncrc8926	16309	ncrc9009	16365	ncrc9088	16421	ncrc9177	16477	ncrc9251
16254	ncrc8927	16310	ncrc9010	16366	ncrc9090	16422	ncrc9178	16478	ncrc9252
16255	ncrc8928	16311	ncrc9011	16367	ncrc9092	16423	ncrc9179	16479	ncrc9253
16256	ncrc8930	16312	ncrc9012	16368	ncrc9093	16424	ncrc9180	16480	ncrc9254
16257	ncrc8932	16313	ncrc9013	16369	ncrc9094	16425	ncrc9181	16481	ncrc9255
16258	ncrc8933	16314	ncrc9015	16370	ncrc9095	16426	ncrc9182	16482	ncrc9256
16259	ncrc8935	16315	ncrc9016	16371	ncrc9096	16427	ncrc9183	16483	ncrc9257
16260	ncrc8937	16316	ncrc9018	16372	ncrc9098	16428	ncrc9185	16484	ncrc9258
16261	ncrc8939	16317	ncrc9019	16373	ncrc9100	16429	ncrc9187	16485	ncrc9259
16262	ncrc8940	16318	ncrc9020	16374	ncrc9101	16430	ncrc9188	16486	ncrc9260
16263	ncrc8942	16319	ncrc9021	16375	ncrc9103	16431	ncrc9189	16487	ncrc9261
16264	ncrc8943	16320	ncrc9022	16376	ncrc9105	16432	ncrc9190	16488	ncrc9262
16265	ncrc8944	16321	ncrc9023	16377	ncrc9106	16433	ncrc9191	16489	ncrc9263
16266	ncrc8945	16322	ncrc9024	16378	ncrc9107	16434	ncrc9193	16490	ncrc9267
16267	ncrc8947	16323	ncrc9025	16379	ncrc9108	16435	ncrc9194	16491	ncrc9268
16268	ncrc8948	16324	ncrc9026	16380	ncrc9112	16436	ncrc9195	16492	ncrc9269
16269	ncrc8949	16325	ncrc9027	16381	ncrc9113	16437	ncrc9196	16493	ncrc9270
16270	ncrc8951	16326	ncrc9028	16382	ncrc9114	16438	ncrc9197	16494	ncrc9271
16271	ncrc8952	16327	ncrc9031	16383	ncrc9115	16439	ncrc9200	16495	ncrc9272
16272	ncrc8954	16328	ncrc9032	16384	ncrc9116	16440	ncrc9201	16496	ncrc9273
16273	ncrc8955	16329	ncrc9033	16385	ncrc9117	16441	ncrc9202	16497	ncrc9274
16274	ncrc8956	16330	ncrc9035	16386	ncrc9118	16442	ncrc9203	16498	ncrc9276
16275	ncrc8959	16331	ncrc9037	16387	ncrc9119	16443	ncrc9204	16499	ncrc9278
16276	ncrc8961	16332	ncrc9039	16388	ncrc9120	16444	ncrc9205	16500	ncrc9279
16277	ncrc8963	16333	ncrc9040	16389	ncrc9121	16445	ncrc9207	16501	ncrc9280
16278	ncrc8964	16334	ncrc9041	16390	ncrc9124	16446	ncrc9208	16502	ncrc9281
16279	ncrc8965	16335	ncrc9043	16391	ncrc9127	16447	ncrc9210	16503	ncrc9283
16280	ncrc8967	16336	ncrc9044	16392	ncrc9128	16448	ncrc9211	16504	ncrc9284
16281	ncrc8968	16337	ncrc9047	16393	ncrc9131	16449	ncrc9212	16505	ncrc9285
16282	ncrc8969	16338	ncrc9048	16394	ncrc9132	16450	ncrc9215	16506	ncrc9286
16283	ncrc8970	16339	ncrc9049	16395	ncrc9135	16451	ncrc9217	16507	ncrc9288
16284	ncrc8971	16340	ncrc9050	16396	ncrc9136	16452	ncrc9218	16508	ncrc9289
16285	ncrc8975	16341	ncrc9051	16397	ncrc9139	16453	ncrc9220	16509	ncrc9290
16286	ncrc8976	16342	ncrc9052	16398	ncrc9140	16454	ncrc9223	16510	ncrc9291
16287	ncrc8977	16343	ncrc9053	16399	ncrc9141	16455	ncrc9224	16511	ncrc9292
16288	ncrc8979	16344	ncrc9055	16400	ncrc9145	16456	ncrc9225	16512	ncrc9293
16289	ncrc8982	16345	ncrc9056	16401	ncrc9147	16457	ncrc9227	16513	ncrc9294
16290	ncrc8983	16346	ncrc9057	16402	ncrc9148	16458	ncrc9228	16514	ncrc9295
16291	ncrc8984	16347	ncrc9060	16403	ncrc9149	16459	ncrc9229	16515	ncrc9296
16292	ncrc8987	16348	ncrc9061	16404	ncrc9152	16460	ncrc9230	16516	ncrc9298
16293	ncrc8988	16349	ncrc9063	16405	ncrc9153	16461	ncrc9231	16517	ncrc9299
16294	ncrc8990	16350	ncrc9064	16406	ncrc9155	16462	ncrc9232	16518	ncrc9300
16295	ncrc8991	16351	ncrc9065	16407	ncrc9157	16463	ncrc9233	16519	ncrc9301
16296	ncrc8992	16352	ncrc9067	16408	ncrc9159	16464	ncrc9235	16520	ncrc9304

Figure 6C – Continued

16521	ncrc9305	16577	ncrc9384	16633	ncrc9464	16689	ncrc9548	16745	ncrc9639
16522	ncrc9306	16578	ncrc9385	16634	ncrc9466	16690	ncrc9549	16746	ncrc9641
16523	ncrc9307	16579	ncrc9386	16635	ncrc9467	16691	ncrc9550	16747	ncrc9642
16524	ncrc9308	16580	ncrc9387	16636	ncrc9468	16692	ncrc9551	16748	ncrc9643
16525	ncrc9309	16581	ncrc9390	16637	ncrc9469	16693	ncrc9552	16749	ncrc9646
16526	ncrc9310	16582	ncrc9391	16638	ncrc9470	16694	ncrc9555	16750	ncrc9647
16527	ncrc9311	16583	ncrc9392	16639	ncrc9471	16695	ncrc9557	16751	ncrc9648
16528	ncrc9312	16584	ncrc9393	16640	ncrc9472	16696	ncrc9558	16752	ncrc9649
16529	ncrc9313	16585	ncrc9394	16641	ncrc9473	16697	ncrc9560	16753	ncrc9651
16530	ncrc9315	16586	ncrc9396	16642	ncrc9474	16698	ncrc9561	16754	ncrc9652
16531	ncrc9316	16587	ncrc9397	16643	ncrc9475	16699	ncrc9562	16755	ncrc9653
16532	ncrc9318	16588	ncrc9399	16644	ncrc9478	16700	ncrc9563	16756	ncrc9654
16533	ncrc9320	16589	ncrc9400	16645	ncrc9480	16701	ncrc9564	16757	ncrc9655
16534	ncrc9321	16590	ncrc9401	16646	ncrc9481	16702	ncrc9566	16758	ncrc9656
16535	ncrc9322	16591	ncrc9403	16647	ncrc9483	16703	ncrc9567	16759	ncrc9658
16536	ncrc9323	16592	ncrc9404	16648	ncrc9484	16704	ncrc9570	16760	ncrc9659
16537	ncrc9324	16593	ncrc9405	16649	ncrc9485	16705	ncrc9572	16761	ncrc9660
16538	ncrc9325	16594	ncrc9406	16650	ncrc9486	16706	ncrc9573	16762	ncrc9661
16539	ncrc9326	16595	ncrc9408	16651	ncrc9487	16707	ncrc9574	16763	ncrc9664
16540	ncrc9327	16596	ncrc9410	16652	ncrc9488	16708	ncrc9576	16764	ncrc9669
16541	ncrc9328	16597	ncrc9411	16653	ncrc9489	16709	ncrc9578	16765	ncrc9671
16542	ncrc9329	16598	ncrc9412	16654	ncrc9491	16710	ncrc9579	16766	ncrc9672
16543	ncrc9331	16599	ncrc9415	16655	ncrc9492	16711	ncrc9581	16767	ncrc9673
16544	ncrc9332	16600	ncrc9417	16656	ncrc9493	16712	ncrc9582	16768	ncrc9674
16545	ncrc9335	16601	ncrc9420	16657	ncrc9495	16713	ncrc9583	16769	ncrc9676
16546	ncrc9336	16602	ncrc9421	16658	ncrc9496	16714	ncrc9584	16770	ncrc9677
16547	ncrc9338	16603	ncrc9424	16659	ncrc9497	16715	ncrc9585	16771	ncrc9678
16548	ncrc9339	16604	ncrc9425	16660	ncrc9498	16716	ncrc9586	16772	ncrc9679
16549	ncrc9340	16605	ncrc9427	16661	ncrc9499	16717	ncrc9587	16773	ncrc9680
16550	ncrc9342	16606	ncrc9428	16662	ncrc9500	16718	ncrc9588	16774	ncrc9681
16551	ncrc9343	16607	ncrc9429	16663	ncrc9502	16719	ncrc9591	16775	ncrc9682
16552	ncrc9344	16608	ncrc9431	16664	ncrc9503	16720	ncrc9592	16776	ncrc9683
16553	ncrc9345	16609	ncrc9432	16665	ncrc9504	16721	ncrc9593	16777	ncrc9684
16554	ncrc9347	16610	ncrc9433	16666	ncrc9505	16722	ncrc9594	16778	ncrc9685
16555	ncrc9349	16611	ncrc9434	16667	ncrc9506	16723	ncrc9596	16779	ncrc9687
16556	ncrc9351	16612	ncrc9435	16668	ncrc9507	16724	ncrc9597	16780	ncrc9688
16557	ncrc9354	16613	ncrc9436	16669	ncrc9508	16725	ncrc9598	16781	ncrc9689
16558	ncrc9355	16614	ncrc9437	16670	ncrc9513	16726	ncrc9601	16782	ncrc9691
16559	ncrc9356	16615	ncrc9438	16671	ncrc9514	16727	ncrc9603	16783	ncrc9692
16560	ncrc9358	16616	ncrc9439	16672	ncrc9515	16728	ncrc9604	16784	ncrc9694
16561	ncrc9359	16617	ncrc9440	16673	ncrc9517	16729	ncrc9607	16785	ncrc9695
16562	ncrc9360	16618	ncrc9443	16674	ncrc9519	16730	ncrc9608	16786	ncrc9696
16563	ncrc9361	16619	ncrc9445	16675	ncrc9523	16731	ncrc9611	16787	ncrc9697
16564	ncrc9363	16620	ncrc9446	16676	ncrc9524	16732	ncrc9612	16788	ncrc9698
16565	ncrc9364	16621	ncrc9447	16677	ncrc9525	16733	ncrc9615	16789	ncrc9700
16566	ncrc9365	16622	ncrc9448	16678	ncrc9527	16734	ncrc9616	16790	ncrc9703
16567	ncrc9366	16623	ncrc9450	16679	ncrc9528	16735	ncrc9617	16791	ncrc9704
16568	ncrc9368	16624	ncrc9451	16680	ncrc9530	16736	ncrc9619	16792	ncrc9705
16569	ncrc9369	16625	ncrc9452	16681	ncrc9531	16737	ncrc9620	16793	ncrc9707
16570	ncrc9370	16626	ncrc9455	16682	ncrc9535	16738	ncrc9625	16794	ncrc9708
16571	ncrc9371	16627	ncrc9456	16683	ncrc9539	16739	ncrc9627	16795	ncrc9709
16572	ncrc9372	16628	ncrc9457	16684	ncrc9542	16740	ncrc9629	16796	ncrc9710
16573	ncrc9376	16629	ncrc9460	16685	ncrc9543	16741	ncrc9631	16797	ncrc9711
16574	ncrc9377	16630	ncrc9461	16686	ncrc9545	16742	ncrc9633	16798	ncrc9712
16575	ncrc9381	16631	ncrc9462	16687	ncrc9546	16743	ncrc9635	16799	ncrc9716
16576	ncrc9382	16632	ncrc9463	16688	ncrc9547	16744	ncrc9637	16800	ncrc9717

Figure 6C – Continued

16801	ncrc9720	16836	ncrc9772	16871	ncrc9832	16906	ncrc9885	16941	ncrc9941
16802	ncrc9721	16837	ncrc9773	16872	ncrc9834	16907	ncrc9886	16942	ncrc9942
16803	ncrc9722	16838	ncrc9774	16873	ncrc9835	16908	ncrc9888	16943	ncrc9943
16804	ncrc9723	16839	ncrc9775	16874	ncrc9836	16909	ncrc9890	16944	ncrc9944
16805	ncrc9724	16840	ncrc9776	16875	ncrc9838	16910	ncrc9891	16945	ncrc9945
16806	ncrc9725	16841	ncrc9777	16876	ncrc9841	16911	ncrc9892	16946	ncrc9947
16807	ncrc9726	16842	ncrc9778	16877	ncrc9843	16912	ncrc9894	16947	ncrc9948
16808	ncrc9727	16843	ncrc9779	16878	ncrc9844	16913	ncrc9899	16948	ncrc9949
16809	ncrc9728	16844	ncrc9783	16879	ncrc9846	16914	ncrc9900	16949	ncrc9952
16810	ncrc9729	16845	ncrc9784	16880	ncrc9847	16915	ncrc9901	16950	ncrc9954
16811	ncrc9735	16846	ncrc9786	16881	ncrc9849	16916	ncrc9903	16951	ncrc9955
16812	ncrc9736	16847	ncrc9787	16882	ncrc9850	16917	ncrc9904	16952	ncrc9956
16813	ncrc9737	16848	ncrc9790	16883	ncrc9851	16918	ncrc9905	16953	ncrc9957
16814	ncrc9738	16849	ncrc9793	16884	ncrc9852	16919	ncrc9908	16954	ncrc9958
16815	ncrc9739	16850	ncrc9794	16885	ncrc9855	16920	ncrc9909	16955	ncrc9959
16816	ncrc9742	16851	ncrc9795	16886	ncrc9858	16921	ncrc9910	16956	ncrc9960
16817	ncrc9743	16852	ncrc9796	16887	ncrc9859	16922	ncrc9911	16957	ncrc9961
16818	ncrc9744	16853	ncrc9798	16888	ncrc9860	16923	ncrc9912	16958	ncrc9962
16819	ncrc9745	16854	ncrc9802	16889	ncrc9861	16924	ncrc9913	16959	ncrc9966
16820	ncrc9747	16855	ncrc9804	16890	ncrc9862	16925	ncrc9914	16960	ncrc9967
16821	ncrc9748	16856	ncrc9805	16891	ncrc9863	16926	ncrc9916	16961	ncrc9969
16822	ncrc9749	16857	ncrc9807	16892	ncrc9864	16927	ncrc9917	16962	ncrc9970
16823	ncrc9750	16858	ncrc9808	16893	ncrc9865	16928	ncrc9919	16963	ncrc9972
16824	ncrc9751	16859	ncrc9809	16894	ncrc9866	16929	ncrc9920	16964	ncrc9973
16825	ncrc9752	16860	ncrc9811	16895	ncrc9867	16930	ncrc9921	16965	ncrc9975
16826	ncrc9754	16861	ncrc9813	16896	ncrc9869	16931	ncrc9923	16966	ncrc9976
16827	ncrc9757	16862	ncrc9815	16897	ncrc9871	16932	ncrc9924	16967	ncrc9978
16828	ncrc9758	16863	ncrc9817	16898	ncrc9872	16933	ncrc9925	16968	ncrc9980
16829	ncrc9759	16864	ncrc9819	16899	ncrc9874	16934	ncrc9928	16969	ncrc9982
16830	ncrc9760	16865	ncrc9821	16900	ncrc9875	16935	ncrc9929	16970	ncrc9983
16831	ncrc9763	16866	ncrc9822	16901	ncrc9877	16936	ncrc9935		
16832	ncrc9766	16867	ncrc9823	16902	ncrc9879	16937	ncrc9936		
16833	ncrc9768	16868	ncrc9825	16903	ncrc9880	16938	ncrc9937		
16834	ncrc9770	16869	ncrc9826	16904	ncrc9881	16939	ncrc9939		
16835	ncrc9771	16870	ncrc9830	16905	ncrc9883	16940	ncrc9940		

Figure 6C - Continued

16971	contigapri02-010014	17026	contigmar20-20010033	17081	contigmar23-010020	17136	contigmar30-010006
16972	contigapri02-010015	17027	contigmar20-20010034	17082	contigmar26-010002	17137	contigmar30-010007
16973	contigapri02-010016	17028	contigmar20-20010035	17083	contigmar26-010003	17138	contigmar30-010008
16974	contigapri02-010017	17029	contigmar20-20010036	17084	contigmar26-010004	17139	contigmar30-010010
16975	contigapri02-010018	17030	contigmar20-20010037	17085	contigmar26-010005	17140	contigmar30-010011
16976	contigapri02-010019	17031	contigmar20-20010038	17086	contigmar26-010007	17141	contigmar30-010012
16977	contigapri02-010020	17032	contigmar20-20010039	17087	contigmar26-010008	17142	contigmar30-010013
16978	contigapri02-010022	17033	contigmar21-010002	17088	contigmar26-010010	17143	contigmar30-010014
16979	contigapri02-010023	17034	contigmar21-010003	17089	contigmar26-010011	17144	contigmar30-010015
16980	contigapri02-010024	17035	contigmar21-010004	17090	contigmar26-010013	17145	contigmar30-010016
16981	contigapri02-010025	17036	contigmar21-010005	17091	contigmar26-010016	17146	contigmar30-010017
16982	contigapri03-010002	17037	contigmar21-010006	17092	contigmar26-010017	17147	contigmar30-010018
16983	contigapri03-010004	17038	contigmar21-010007	17093	contigmar26-010018	17148	contigmar30-010019
16984	contigapri03-010006	17039	contigmar21-010008	17094	contigmar26-010019	17149	contigmar30-010020
16985	contigapri03-010007	17040	contigmar21-010010	17095	contigmar26-010020	17150	contigmar30-010021
16986	contigapri03-010008	17041	contigmar21-010011	17096	contigmar26-010021	17151	contigmar30-010022
16987	contigapri03-010009	17042	contigmar21-010013	17097	contigmar26-010023		
16988	contigapri03-010010	17043	contigmar21-010014	17098	contigmar26-010024		
16989	contigapri03-010011	17044	contigmar21-010015	17099	contigmar27-010002		
16990	contigapri03-010012	17045	contigmar21-010016	17100	contigmar27-010003		
16991	contigapri03-010013	17046	contigmar21-010017	17101	contigmar27-010004		
16992	contigapri03-010014	17047	contigmar21-010018	17102	contigmar27-010007		
16993	contigapri03-010016	17048	contigmar21-010020	17103	contigmar27-010008		
16994	contigapri03-010017	17049	contigmar21-010021	17104	contigmar27-010010		
16995	contigapri05-010021	17050	contigmar21-010022	17105	contigmar27-010014		
16996	contigapri05-010022	17051	contigmar22-010003	17106	contigmar27-010015		
16997	contigapri05-010024	17052	contigmar22-010004	17107	contigmar27-010016		
16998	contigapri05-010025	17053	contigmar22-010005	17108	contigmar27-010017		
16999	contigapri05-010026	17054	contigmar22-010007	17109	contigmar27-010018		
17000	contigapri05-010027	17055	contigmar22-010008	17110	contigmar28-29-010002		
17001	contigapri05-010028	17056	contigmar22-010009	17111	contigmar28-29-010003		
17002	contigapri05-010029	17057	contigmar22-010010	17112	contigmar28-29-010004		
17003	contigapri05-010030	17058	contigmar22-010011	17113	contigmar28-29-010005		
17004	contigapri05-010031	17059	contigmar22-010012	17114	contigmar28-29-010006		
17005	contigapri05-010032	17060	contigmar22-010013	17115	contigmar28-29-010007		
17006	contigapri05-010033	17061	contigmar22-010014	17116	contigmar28-29-010009		
17007	contigapri05-010034	17062	contigmar22-010016	17117	contigmar28-29-010013		
17008	contigapri05-010035	17063	contigmar22-010017	17118	contigmar28-29-010016		
17009	contigapri05-010036	17064	contigmar22-010018	17119	contigmar28-29-010017		
17010	contigapri05-010037	17065	contigmar22-010019	17120	contigmar28-29-010021		
17011	contigapri05-010038	17066	contigmar22-010020	17121	contigmar28-29-010022		
17012	contigapri05-010039	17067	contigmar22-010021	17122	contigmar28-29-010023		
17013	contigapri06-010002	17068	contigmar23-010002	17123	contigmar28-29-010026		
17014	contigapri06-010003	17069	contigmar23-010003	17124	contigmar28-29-010027		
17015	contigapri06-010004	17070	contigmar23-010004	17125	contigmar28-29-010028		
17016	contigmar20-20010021	17071	contigmar23-010008	17126	contigmar28-29-010029		
17017	contigmar20-20010022	17072	contigmar23-010009	17127	contigmar28-29-010031		
17018	contigmar20-20010023	17073	contigmar23-010010	17128	contigmar28-29-010033		
17019	contigmar20-20010024	17074	contigmar23-010012	17129	contigmar28-29-010034		
17020	contigmar20-20010026	17075	contigmar23-010013	17130	contigmar28-29-010035		
17021	contigmar20-20010027	17076	contigmar23-010014	17131	contigmar28-29-010036		
17022	contigmar20-20010028	17077	contigmar23-010016	17132	contigmar28-29-010037		
17023	contigmar20-20010029	17078	contigmar23-010017	17133	contigmar28-29-010038		
17024	contigmar20-20010031	17079	contigmar23-010018	17134	contigmar30-010002		
17025	contigmar20-20010032	17080	contigmar23-010019	17135	contigmar30-010003		



Figure 6D – List of EST Sequence Names From Mild OA Cartilage cDNA Library

1	MIOA0002a	57	MIOA0078a	113	MIOA0151	169	MIOA0213a	225	mioa0275n
2	MIOA0003a	58	MIOA0081a	114	MIOA0152	170	MIOA0214a	226	MIOA0276
3	mioa0004a	59	mioa0082a	115	mioa0153	171	MIOA0215a	227	MIOA0277
4	MIOA0005a	60	mioa0083a	116	MIOA0154	172	MIOA0217a	228	MIOA0278
5	MIOA0006a	61	MIOA0084a	117	MIOA0155	173	MIOA0218a	229	MIOA0279
6	MIOA0008a	62	MIOA0085a	118	mioa0156	174	MIOA0219a	230	MIOA0280
7	MIOA0010a	63	MIOA0086a	119	MIOA0157	175	MIOA0220a	231	MIOA0281n
8	MIOA0011a	64	MIOA0087a	120	MIOA0158	176	MIOA0221a	232	MIOA0282
9	MIOA0013a	65	MIOA0088a	121	MIOA0159	177	mioa0222a	233	MIOA0283
10	MIOA0019a	66	MIOA0089a	122	MIOA0160	178	MIOA0223a	234	MIOA0284
11	MIOA0022a	67	MIOA0090a	123	mioa0161	179	MIOA0224a	235	MIOA0285
12	MIOA0024a	68	MIOA0092a	124	MIOA0162	180	mioa0225a	236	MIOA0286
13	MIOA0025a	69	MIOA0093a	125	MIOA0164	181	MIOA0226a	237	MIOA0288
14	MIOA0026a	70	MIOA0095a	126	MIOA0165	182	MIOA0227a	238	MIOA0289
15	MIOA0028a	71	MIOA0096a	127	MIOA0166	183	mioa0228a	239	MIOA0290
16	MIOA0029a	72	MIOA0097	128	MIOA0167	184	MIOA0229a	240	MIOA0291
17	MIOA0030a	73	MIOA0098	129	MIOA0168n	185	MIOA0230a	241	MIOA0292
18	MIOA0031a	74	MIOA0099	130	MIOA0169	186	MIOA0231a	242	MIOA0293n
19	MIOA0032a	75	MIOA0100	131	MIOA0170	187	MIOA0232a	243	MIOA0294
20	MIOA0033a	76	MIOA0101	132	MIOA0171	188	MIOA0233a	244	MIOA0295
21	MIOA0035a	77	MIOA0102	133	MIOA0172	189	MIOA0234a	245	MIOA0296
22	MIOA0036a	78	MIOA0103	134	MIOA0174	190	mioa0235a	246	MIOA0297
23	MIOA0037a	79	MIOA0104	135	MIOA0175n	191	MIOA0236a	247	MIOA0298n
24	MIOA0038a	80	MIOA0105	136	MIOA0176	192	MIOA0237a	248	MIOA0299n
25	MIOA0039a	81	mioa0108m	137	MIOA0177n	193	MIOA0238a	249	MIOA0300
26	MIOA0042a	82	MIOA0109	138	MIOA0178	194	MIOA0240a	250	MIOA0302
27	MIOA0044a	83	mioa0110	139	MIOA0179	195	MIOA0241a	251	MIOA0303
28	MIOA0045a	84	MIOA0111	140	MIOA0180	196	MIOA0242a	252	mioa0304
29	MIOA0046a	85	mioa0113	141	MIOA0181	197	MIOA0243a	253	MIOA0306n
30	MIOA0047a	86	mioa0114	142	MIOA0182	198	MIOA0245a	254	MIOA0307
31	MIOA0049a	87	mioa0115	143	MIOA0183	199	MIOA0246a	255	MIOA0308
32	MIOA0051a	88	MIOA0116	144	MIOA0184	200	MIOA0247a	256	MIOA0309
33	MIOA0053a	89	MIOA0117	145	MIOA0185	201	MIOA0248a	257	MIOA0310
34	MIOA0054a	90	mioa0118	146	MIOA0186	202	MIOA0249a	258	MIOA0311n
35	MIOA0055a	91	MIOA0119	147	MIOA0187n	203	MIOA0250a	259	MIOA0312n
36	MIOA0056a	92	MIOA0122	148	MIOA0188	204	MIOA0251a	260	MIOA0314
37	MIOA0057a	93	MIOA0125	149	MIOA0189	205	MIOA0252a	261	MIOA0315
38	MIOA0058a	94	MIOA0126	150	MIOA0190	206	MIOA0253a	262	MIOA0316
39	MIOA0059a	95	MIOA0127	151	MIOA0191n	207	MIOA0254a	263	MIOA0317
40	MIOA0060a	96	MIOA0128	152	MIOA0192	208	MIOA0255a	264	MIOA0318
41	MIOA0061a	97	MIOA0131	153	MIOA0193a	209	MIOA0256a	265	MIOA0320
42	MIOA0062a	98	MIOA0132	154	MIOA0195a	210	MIOA0257	266	MIOA0321
43	MIOA0063a	99	MIOA0134	155	MIOA0197a	211	mioa0258n	267	MIOA0322
44	MIOA0064a	100	MIOA0135	156	MIOA0198a	212	MIOA0259	268	MIOA0323
45	MIOA0065a	101	mioa0136m	157	MIOA0199a	213	MIOA0261	269	MIOA0324
46	MIOA0066a	102	MIOA0138	158	MIOA0201a	214	MIOA0262	270	MIOA0325
47	MIOA0067a	103	MIOA0139	159	MIOA0202a	215	MIOA0263	271	MIOA0327
48	mioa0068a	104	MIOA0140	160	MIOA0203a	216	MIOA0264	272	MIOA0328
49	MIOA0070a	105	MIOA0141	161	MIOA0204a	217	mioa0265nn	273	MIOA0329n
50	MIOA0071a	106	MIOA0142	162	MIOA0205a	218	MIOA0266n	274	MIOA0330n
51	MIOA0072a	107	MIOA0143	163	MIOA0207a	219	MIOA0268	275	MIOA0331
52	MIOA0073a	108	MIOA0145	164	MIOA0208a	220	MIOA0269	276	MIOA0332
53	MIOA0074a	109	MIOA0146	165	MIOA0209a	221	MIOA0270	277	mioa0334n
54	MIOA0075a	110	MIOA0147	166	mioa0210a	222	MIOA0271	278	MIOA0335
55	MIOA0076a	111	MIOA0149	167	MIOA0211a	223	MIOA0273	279	mioa0337m
56	MIOA0077a	112	MIOA0150	168	MIOA0212a	224	MIOA0274	280	MIOA0338

Figure 6D – Continued

281	MIOA0339	337	MIOA0417a	393	mioa0506m	449	mioa0569a	505	MIOA0644
282	mioa0340	338	MIOA0418a	394	mioa0507m	450	mioa0571a	506	MIOA0645
283	MIOA0341	339	MIOA0419a	395	MIOA0508n	451	MIOA0572n	507	MIOA0646
284	MIOA0342	340	MIOA0420a	396	mioa0509	452	mioa0573a	508	MIOA0647
285	MIOA0343n	341	MIOA0449	397	MIOA0510	453	mioa0574	509	MIOA0648
286	MIOA0344	342	MIOA0450	398	mioa0511m	454	mioa0575a	510	MIOA0650
287	MIOA0346n	343	MIOA0451	399	MIOA0513n	455	mioa0576a	511	MIOA0651
288	mioa0347m	344	MIOA0452	400	MIOA0514	456	MIOA0577a	512	MIOA0652
289	mioa0348m	345	MIOA0453	401	MIOA0515	457	MIOA0578a	513	MIOA0653
290	mioa0350m	346	MIOA0454	402	MIOA0516	458	MIOA0579a	514	MIOA0677
291	mioa0351m	347	MIOA0455	403	MIOA0517	459	MIOA0580a	515	MIOA0679
292	MIOA0354a	348	MIOA0456	404	MIOA0518	460	mioa0581a	516	MIOA0680
293	mioa0355a	349	mioa0457m	405	MIOA0519n	461	MIOA0582a	517	MIOA0681n
294	MIOA0358a	350	MIOA0458	406	mioa0520n	462	MIOA0584a	518	MIOA0682n
295	MIOA0359a	351	MIOA0459	407	MIOA0521	463	MIOA0585a	519	MIOA0683
296	MIOA0360a	352	MIOA0460	408	MIOA0522	464	MIOA0586a	520	MIOA0684
297	MIOA0361a	353	MIOA0461	409	mioa0524	465	MIOA0587a	521	MIOA0685
298	MIOA0363a	354	mioa0462n	410	MIOA0525	466	MIOA0588a	522	MIOA0688
299	MIOA0364a	355	mioa0463m	411	MIOA0526	467	MIOA0589a	523	MIOA0689
300	MIOA0365a	356	MIOA0464	412	MIOA0528	468	MIOA0590a	524	mioa0690
301	MIOA0366a	357	MIOA0466	413	MIOA0529	469	MIOA0591a	525	MIOA0691
302	MIOA0367a	358	MIOA0467	414	MIOA0530	470	MIOA0592a	526	MIOA0692
303	MIOA0368a	359	MIOA0468	415	MIOA0531	471	MIOA0593a	527	MIOA0693
304	MIOA0370a	360	MIOA0469	416	MIOA0532	472	MIOA0594a	528	MIOA0694
305	MIOA0372a	361	MIOA0471	417	MIOA0533	473	MIOA0595a	529	MIOA0696
306	MIOA0373a	362	MIOA0472	418	MIOA0534	474	MIOA0597a	530	MIOA0697
307	MIOA0375a	363	MIOA0473	419	MIOA0535n	475	MIOA0598a	531	MIOA0698
308	MIOA0378a	364	MIOA0474	420	MIOA0536	476	MIOA0600a	532	mioa0699
309	MIOA0379a	365	MIOA0475	421	MIOA0537	477	MIOA0601a	533	MIOA0701
310	MIOA0380a	366	MIOA0476	422	MIOA0538	478	MIOA0602a	534	MIOA0702
311	MIOA0381a	367	MIOA0477	423	MIOA0540	479	MIOA0603a	535	MIOA0703
312	MIOA0382a	368	MIOA0478	424	MIOA0541n	480	MIOA0604a	536	MIOA0704
313	MIOA0384a	369	MIOA0479n	425	mioa0542n	481	mioa0605a	537	MIOA0705
314	MIOA0387a	370	mioa0480m	426	MIOA0543	482	MIOA0607a	538	MIOA0706
315	MIOA0388a	371	MIOA0481n	427	MIOA0544	483	MIOA0608a	539	MIOA0707
316	MIOA0390a	372	MIOA0482n	428	mioa0545a	484	MIOA0610a	540	MIOA0708
317	MIOA0392a	373	MIOA0483	429	MIOA0546a	485	MIOA0611a	541	mioa0709m
318	MIOA0393a	374	MIOA0484	430	mioa0548an	486	MIOA0613a	542	MIOA0710
319	MIOA0394a	375	MIOA0485	431	MIOA0550a	487	mioa0614a	543	MIOA0711
320	MIOA0395a	376	MIOA0486	432	MIOA0551a	488	MIOA0616a	544	MIOA0712
321	MIOA0397a	377	MIOA0487	433	MIOA0553a	489	MIOA0618a	545	MIOA0713
322	MIOA0398a	378	MIOA0488n	434	MIOA0554a	490	MIOA0621a	546	MIOA0714
323	MIOA0400a	379	MIOA0489	435	mioa0555a	491	MIOA0622a	547	MIOA0715
324	MIOA0401a	380	mioa0491m	436	mioa0556a	492	MIOA0624a	548	MIOA0716
325	MIOA0404a	381	mioa0492m	437	mioa0557a	493	MIOA0625a	549	mioa0717
326	MIOA0405a	382	MIOA0493	438	mioa0558a	494	MIOA0626a	550	MIOA0718
327	MIOA0407a	383	MIOA0494	439	MIOA0559n	495	mioa0629a	551	MIOA0719
328	MIOA0408a	384	MIOA0495	440	mioa0560a	496	MIOA0630a	552	MIOA0720n
329	MIOA0409a	385	MIOA0497n	441	mioa0561a	497	MIOA0632a	553	MIOA0721
330	MIOA0410a	386	MIOA0498n	442	mioa0562a	498	MIOA0633a	554	MIOA0722
331	MIOA0411a	387	MIOA0500	443	mioa0563a	499	MIOA0637a	555	MIOA0723
332	mioa0412a	388	MIOA0501	444	mioa0564a	500	MIOA0639a	556	MIOA0724
333	MIOA0413a	389	MIOA0502	445	MIOA0565n	501	mioa0640an	557	MIOA0725
334	MIOA0414a	390	mioa0503m	446	mioa0566a	502	MIOA0641	558	MIOA0726n
335	MIOA0415a	391	MIOA0504n	447	mioa0567a	503	MIOA0642	559	MIOA0727
336	MIOA0416a	392	MIOA0505n	448	mioa0568	504	MIOA0643n	560	MIOA0728

Figure 6D - Continued

561	MIOA0729	617	mioa0787m	673	MIOA0861a	729	MIOA0931	785	MIOA0994
562	MIOA0730	618	mioa0788m	674	MIOA0862a	730	mioa0932	786	MIOA0995
563	MIOA0731	619	mioa0789m	675	MIOA0865a	731	MIOA0933	787	mioa0996n
564	MIOA0732	620	MIOA0790	676	MIOA0866a	732	MIOA0934	788	MIOA0997n
565	MIOA0733	621	MIOA0791	677	MIOA0868a	733	MIOA0935	789	MIOA0998
566	MIOA0734	622	MIOA0792	678	MIOA0869a	734	MIOA0936	790	mioa0999
567	MIOA0735	623	MIOA0793	679	MIOA0873a	735	MIOA0937	791	MIOA1000
568	MIOA0736	624	MIOA0794	680	MIOA0874a	736	MIOA0938	792	MIOA1001
569	mioa0737m	625	MIOA0795n	681	MIOA0875a	737	MIOA0940	793	mioa1003
570	mioa0738m	626	MIOA0797	682	MIOA0876a	738	MIOA0941	794	MIOA1004
571	mioa0739m	627	mioa0798	683	MIOA0877a	739	MIOA0942	795	MIOA1005
572	mioa0740m	628	mioa0800m	684	MIOA0878a	740	MIOA0943	796	MIOA1006
573	mioa0741m	629	MIOA0802	685	MIOA0879a	741	MIOA0944	797	MIOA1007
574	MIOA0742	630	MIOA0803	686	MIOA0880a	742	MIOA0946	798	MIOA1008
575	mioa0743	631	MIOA0804	687	MIOA0882a	743	MIOA0947	799	MIOA1009
576	MIOA0744	632	mioa0806	688	MIOA0884a	744	MIOA0948	800	MIOA1010
577	MIOA0745	633	MIOA0807	689	MIOA0885a	745	MIOA0949	801	MIOA1012
578	MIOA0746	634	MIOA0808	690	MIOA0886a	746	mioa0950	802	MIOA1013
579	MIOA0747	635	MIOA0809	691	MIOA0887a	747	MIOA0951	803	MIOA1014
580	MIOA0748	636	MIOA0811	692	MIOA0888a	748	MIOA0952	804	MIOA1015
581	MIOA0749	637	MIOA0813	693	MIOA0890a	749	MIOA0953	805	MIOA1016
582	MIOA0750	638	MIOA0814	694	MIOA0891a	750	MIOA0954	806	MIOA1018
583	MIOA0751	639	MIOA0816	695	MIOA0892a	751	MIOA0955	807	mioa1019
584	MIOA0752	640	mioa0817	696	MIOA0893a	752	MIOA0956	808	mioa1021m
585	MIOA0753n	641	MIOA0818	697	MIOA0894a	753	MIOA0958	809	mioa1022m
586	mioa0754m	642	mioa0819	698	MIOA0896a	754	MIOA0959	810	MIOA1024
587	mioa0755m	643	MIOA0820	699	MIOA0897a	755	MIOA0960	811	MIOA1025
588	MIOA0756	644	MIOA0821	700	MIOA0898a	756	MIOA0961	812	MIOA1026
589	MIOA0757	645	mioa0823	701	mioa0899a	757	MIOA0962	813	MIOA1027
590	MIOA0758	646	MIOA0824	702	MIOA0900a	758	mioa0963n	814	MIOA1028
591	MIOA0759	647	MIOA0825	703	MIOA0901a	759	MIOA0964	815	MIOA1029
592	MIOA0760	648	MIOA0826	704	MIOA0902a	760	MIOA0965	816	mioa1030n
593	mioa0761	649	MIOA0827	705	MIOA0903a	761	MIOA0966	817	mioa1031m
594	mioa0762m	650	MIOA0830	706	MIOA0904a	762	MIOA0967	818	mioa1032m
595	MIOA0763n	651	MIOA0831	707	MIOA0905a	763	MIOA0968	819	mioa1033m
596	mioa0764	652	MIOA0832	708	MIOA0906a	764	MIOA0969n	820	mioa1034m
597	MIOA0765n	653	MIOA0833a	709	MIOA0907a	765	MIOA0970	821	mioa1035m
598	mioa0766n	654	MIOA0835a	710	MIOA0908a	766	mioa0971	822	mioa1036m
599	mioa0767	655	MIOA0837a	711	MIOA0909a	767	MIOA0972	823	mioa1039m
600	MIOA0768n	656	MIOA0838a	712	MIOA0910a	768	MIOA0974	824	mioa1040m
601	MIOA0769n	657	MIOA0839a	713	mioa0911a	769	MIOA0975n	825	mioa1042m
602	MIOA0770n	658	MIOA0840a	714	MIOA0912a	770	MIOA0977	826	mioa1043m
603	MIOA0772	659	MIOA0842a	715	MIOA0913a	771	mioa0978n	827	MIOA1044
604	MIOA0773	660	MIOA0843a	716	MIOA0915a	772	MIOA0980	828	mioa1045
605	mioa0774n	661	MIOA0844a	717	MIOA0916a	773	MIOA0981	829	MIOA1047
606	MIOA0775n	662	MIOA0845a	718	MIOA0917a	774	MIOA0982	830	MIOA1048
607	MIOA0776n	663	MIOA0846a	719	mioa0918a	775	MIOA0983	831	MIOA1049
608	MIOA0777n	664	MIOA0847a	720	MIOA0919a	776	MIOA0984	832	MIOA1050
609	MIOA0778	665	MIOA0848a	721	mioa0920a	777	MIOA0985	833	MIOA1051
610	MIOA0779	666	mioa0849a	722	MIOA0921a	778	MIOA0986	834	mioa1052
611	mioa0780n	667	MIOA0850a	723	MIOA0923a	779	mioa0987n	835	MIOA1053
612	MIOA0781	668	MIOA0851a	724	MIOA0924a	780	MIOA0989n	836	mioa1054
613	MIOA0782n	669	MIOA0852a	725	MIOA0925a	781	MIOA0990n	837	MIOA1055
614	MIOA0783n	670	MIOA0855a	726	MIOA0927a	782	mioa0991nn	838	MIOA1056
615	mioa0785m	671	MIOA0857a	727	MIOA0929	783	mioa0992n	839	MIOA1057
616	mioa0786m	672	MIOA0860a	728	MIOA0930	784	MIOA0993n	840	MIOA1058

Figure 6D – Continued

841	mioa1059	897	MIOA1126	953	MIOA1191n	1009	MIOA1264	1065	MIOA1329a
842	MIOA1060	898	mioa1127m	954	MIOA1192	1010	MIOA1265	1066	MIOA1330a
843	MIOA1061	899	MIOA1128	955	MIOA1193	1011	MIOA1266	1067	MIOA1331a
844	MIOA1062	900	MIOA1130	956	MIOA1196	1012	MIOA1267	1068	MIOA1332a
845	MIOA1063	901	MIOA1131	957	mioa1197n	1013	MIOA1268	1069	MIOA1333a
846	MIOA1065	902	MIOA1132	958	MIOA1198	1014	MIOA1269	1070	MIOA1334a
847	MIOA1066	903	mioa1133	959	MIOA1199	1015	MIOA1270	1071	MIOA1336a
848	MIOA1067	904	mioa1134	960	MIOA1200	1016	MIOA1273	1072	MIOA1337a
849	MIOA1068	905	MIOA1135	961	MIOA1201	1017	MIOA1274m	1073	MIOA1338a
850	MIOA1070	906	MIOA1136	962	MIOA1204	1018	MIOA1275m	1074	mioa1339a
851	MIOA1071	907	MIOA1137	963	MIOA1205	1019	MIOA1276m	1075	MIOA1341a
852	mioa1072	908	MIOA1138	964	MIOA1206	1020	MIOA1277m	1076	MIOA1342a
853	MIOA1073	909	mioa1139	965	MIOA1208	1021	MIOA1278m	1077	MIOA1343a
854	MIOA1074	910	MIOA1140	966	MIOA1210	1022	MIOA1279m	1078	MIOA1344a
855	mioa1075	911	MIOA1141	967	MIOA1211	1023	MIOA1281m	1079	MIOA1346a
856	MIOA1076	912	mioa1142m	968	mioa1212	1024	MIOA1283m	1080	MIOA1347a
857	MIOA1077	913	MIOA1143	969	MIOA1213	1025	MIOA1284	1081	MIOA1349a
858	MIOA1078	914	mioa1144	970	MIOA1214	1026	MIOA1285	1082	MIOA1350a
859	MIOA1079	915	MIOA1145	971	mioa1215m	1027	MIOA1286	1083	MIOA1351a
860	MIOA1080	916	MIOA1146	972	mioa1216m	1028	MIOA1287	1084	mioa1352a
861	MIOA1081	917	MIOA1147	973	mioa1218m	1029	MIOA1288	1085	MIOA1353a
862	MIOA1082	918	mioa1148n	974	MIOA1222m	1030	MIOA1289	1086	MIOA1354a
863	MIOA1083	919	MIOA1149	975	MIOA1223m	1031	MIOA1290	1087	MIOA1356a
864	MIOA1084	920	MIOA1150	976	MIOA1224m	1032	MIOA1291n	1088	MIOA1358a
865	MIOA1085	921	MIOA1151	977	MIOA1225	1033	MIOA1292	1089	MIOA1359a
866	mioa1086	922	mioa1152m	978	MIOA1226	1034	MIOA1293n	1090	MIOA1360a
867	mioa1087	923	mioa1154	979	MIOA1227	1035	MIOA1294n	1091	MIOA1361a
868	MIOA1088	924	mioa1156n	980	MIOA1228	1036	MIOA1296	1092	MIOA1362a
869	MIOA1089	925	MIOA1157	981	MIOA1229	1037	MIOA1297	1093	MIOA1363a
870	MIOA1090	926	MIOA1158	982	MIOA1230	1038	MIOA1299	1094	MIOA1364a
871	MIOA1091	927	MIOA1159	983	mioa1231	1039	MIOA1300n	1095	MIOA1365a
872	mioa1092	928	MIOA1161	984	MIOA1233	1040	MIOA1301m	1096	MIOA1366a
873	MIOA1094	929	mioa1163	985	MIOA1234	1041	MIOA1303	1097	MIOA1367a
874	MIOA1095	930	MIOA1164	986	MIOA1235	1042	MIOA1304	1098	MIOA1369a
875	MIOA1096	931	MIOA1165	987	MIOA1236	1043	MIOA1305	1099	MIOA1370a
876	mioa1097	932	MIOA1166	988	MIOA1237	1044	MIOA1306	1100	MIOA1371a
877	MIOA1099	933	MIOA1167	989	MIOA1239	1045	MIOA1307	1101	MIOA1372a
878	MIOA1100	934	MIOA1169	990	MIOA1241n	1046	MIOA1308m	1102	MIOA1373a
879	mioa1101m	935	mioa1170	991	MIOA1242	1047	MIOA1309	1103	MIOA1374a
880	MIOA1102	936	mioa1171n	992	MIOA1243	1048	MIOA1310	1104	MIOA1375a
881	MIOA1103	937	MIOA1172	993	MIOA1244m	1049	MIOA1311	1105	MIOA1377a
882	MIOA1104	938	MIOA1173	994	MIOA1245	1050	mioa1312	1106	MIOA1379a
883	MIOA1106	939	MIOA1174	995	MIOA1246	1051	MIOA1313a	1107	MIOA1380a
884	MIOA1107	940	MIOA1176	996	MIOA1247	1052	MIOA1314a	1108	MIOA1381a
885	mioa1108m	941	MIOA1177	997	MIOA1248	1053	MIOA1315a	1109	MIOA1382a
886	mioa1109m	942	MIOA1178	998	MIOA1249	1054	MIOA1316a	1110	MIOA1383a
887	mioa1110m	943	mioa1179m	999	MIOA1252	1055	MIOA1317a	1111	MIOA1385a
888	mioa1111m	944	MIOA1180	1000	MIOA1253	1056	MIOA1318a	1112	MIOA1388a
889	mioa1112m	945	MIOA1181	1001	MIOA1254	1057	MIOA1319a	1113	MIOA1390a
890	mioa1116m	946	mioa1182	1002	MIOA1255m	1058	MIOA1320a	1114	MIOA1391a
891	mioa1118m	947	mioa1183m	1003	mioa1256	1059	MIOA1321a	1115	MIOA1392a
892	mioa1119m	948	mioa1184m	1004	MIOA1259	1060	MIOA1322a	1116	MIOA1394a
893	MIOA1120	949	MIOA1185	1005	MIOA1260	1061	MIOA1324a	1117	MIOA1396a
894	MIOA1121	950	MIOA1186	1006	MIOA1261	1062	MIOA1325a	1118	MIOA1397a
895	MIOA1122	951	MIOA1189	1007	MIOA1262n	1063	mioa1326a	1119	MIOA1398a
896	MIOA1123	952	MIOA1190n	1008	MIOA1263	1064	MIOA1327a	1120	MIOA1399a

Figure 6D – Continued

1121	MIOA1400a	1177	mioa1462	1233	MIOA1528	1289	MIOA1585	1345	MIOA1651a
1122	MIOA1401a	1178	mioa1463	1234	MIOA1529	1290	MIOA1586	1346	MIOA1652a
1123	MIOA1402a	1179	MIOA1464	1235	MIOA1530	1291	MIOA1587	1347	MIOA1654a
1124	MIOA1403a	1180	MIOA1465	1236	MIOA1531	1292	MIOA1588	1348	MIOA1655a
1125	mioa1405a	1181	MIOA1466	1237	MIOA1532	1293	MIOA1589	1349	MIOA1656a
1126	MIOA1406a	1182	mioa1467	1238	MIOA1533	1294	MIOA1590	1350	MIOA1657a
1127	MIOA1407a	1183	mioa1468	1239	MIOA1534	1295	MIOA1592	1351	MIOA1658a
1128	MIOA1408a	1184	MIOA1469	1240	MIOA1535	1296	MIOA1593	1352	MIOA1660a
1129	MIOA1409	1185	MIOA1470	1241	MIOA1536	1297	mioa1594	1353	MIOA1661a
1130	MIOA1410m	1186	mioa1471	1242	mioa1537	1298	mioa1595	1354	MIOA1662a
1131	MIOA1411n	1187	MIOA1472	1243	MIOA1538	1299	MIOA1597	1355	MIOA1664a
1132	MIOA1412	1188	MIOA1473	1244	MIOA1539	1300	MIOA1598	1356	mioa1665a
1133	MIOA1413	1189	MIOA1474	1245	MIOA1540	1301	MIOA1599	1357	MIOA1666a
1134	MIOA1414	1190	MIOA1475	1246	MIOA1541m	1302	MIOA1600	1358	mioa1667a
1135	MIOA1415	1191	MIOA1476	1247	MIOA1542m	1303	MIOA1601a	1359	MIOA1668a
1136	MIOA1416	1192	mioa1477	1248	MIOA1543	1304	MIOA1602a	1360	MIOA1669a
1137	MIOA1417	1193	mioa1478	1249	MIOA1544	1305	MIOA1603a	1361	MIOA1671a
1138	MIOA1418	1194	MIOA1479m	1250	MIOA1545	1306	MIOA1604a	1362	mioa1673a
1139	MIOA1419	1195	MIOA1481	1251	MIOA1546	1307	MIOA1605A	1363	MIOA1674a
1140	MIOA1420n	1196	MIOA1482m	1252	MIOA1547	1308	mioa1606a	1364	MIOA1676a
1141	MIOA1421n	1197	MIOA1483m	1253	MIOA1548	1309	MIOA1607a	1365	MIOA1677a
1142	MIOA1422	1198	mioa1484n	1254	MIOA1549	1310	MIOA1608a	1366	MIOA1679a
1143	MIOA1423	1199	MIOA1485	1255	MIOA1550	1311	MIOA1610a	1367	MIOA1680a
1144	MIOA1424	1200	MIOA1486	1256	MIOA1551	1312	MIOA1611a	1368	MIOA1681a
1145	MIOA1426	1201	MIOA1487	1257	MIOA1552	1313	MIOA1612a	1369	MIOA1685a
1146	MIOA1427	1202	MIOA1488	1258	MIOA1553	1314	MIOA1613a	1370	MIOA1686a
1147	MIOA1428	1203	MIOA1491m	1259	MIOA1554n	1315	MIOA1614a	1371	MIOA1687a
1148	MIOA1429	1204	MIOA1492m	1260	MIOA1555	1316	MIOA1615a	1372	MIOA1688a
1149	MIOA1431	1205	MIOA1494	1261	MIOA1556	1317	MIOA1616a	1373	mioa1689a
1150	MIOA1432	1206	MIOA1495m	1262	MIOA1558	1318	MIOA1619a	1374	MIOA1690a
1151	MIOA1433	1207	MIOA1496	1263	mioa1559	1319	MIOA1620a	1375	MIOA1693a
1152	mioa1434	1208	MIOA1497	1264	mioa1560	1320	MIOA1621a	1376	MIOA1695a
1153	MIOA1435	1209	MIOA1498n	1265	mioa1561n	1321	MIOA1622a	1377	MIOA1696a
1154	mioa1436n	1210	MIOA1502	1266	mioa1562	1322	MIOA1623a	1378	mioa1697
1155	mioa1438n	1211	mioa1503	1267	MIOA1563m	1323	MIOA1624a	1379	MIOA1699
1156	MIOA1439	1212	MIOA1504	1268	mioa1564m	1324	MIOA1626a	1380	MIOA1700
1157	MIOA1440	1213	MIOA1505	1269	MIOA1565n	1325	MIOA1627a	1381	MIOA1701a
1158	MIOA1441	1214	mioa1506	1270	MIOA1566	1326	MIOA1628a	1382	MIOA1702a
1159	MIOA1442	1215	MIOA1508	1271	MIOA1567	1327	mioa1630a	1383	MIOA1704a
1160	mioa1443	1216	MIOA1509	1272	mioa1568	1328	MIOA1632a	1384	MIOA1706a
1161	MIOA1444	1217	MIOA1511	1273	MIOA1569	1329	MIOA1633a	1385	MIOA1707a
1162	MIOA1445	1218	MIOA1512n	1274	MIOA1570	1330	MIOA1634a	1386	MIOA1708a
1163	MIOA1446	1219	MIOA1513	1275	MIOA1571	1331	MIOA1635a	1387	MIOA1711a
1164	MIOA1447	1220	MIOA1514	1276	mioa1572	1332	MIOA1636a	1388	MIOA1713a
1165	MIOA1448	1221	MIOA1515	1277	MIOA1573	1333	MIOA1637a	1389	MIOA1714a
1166	MIOA1450	1222	MIOA1516	1278	mioa1574	1334	MIOA1638a	1390	MIOA1715a
1167	mioa1452	1223	MIOA1517	1279	MIOA1575	1335	MIOA1639a	1391	MIOA1716a
1168	MIOA1453	1224	mioa1518	1280	MIOA1576	1336	MIOA1640a	1392	MIOA1717a
1169	MIOA1454	1225	MIOA1519	1281	MIOA1577	1337	MIOA1641a	1393	MIOA1718a
1170	MIOA1455	1226	MIOA1520	1282	MIOA1578	1338	MIOA1644a	1394	mioa1719a
1171	MIOA1456	1227	MIOA1521	1283	MIOA1579	1339	mioa1645a	1395	MIOA1720a
1172	MIOA1457	1228	MIOA1522	1284	MIOA1580	1340	MIOA1646a	1396	mioa1721a
1173	MIOA1458	1229	MIOA1524	1285	MIOA1581	1341	MIOA1647a	1397	MIOA1722a
1174	MIOA1459	1230	MIOA1525	1286	MIOA1582	1342	MIOA1648a	1398	MIOA1723a
1175	MIOA1460	1231	MIOA1526	1287	MIOA1583	1343	MIOA1649a	1399	MIOA1724a
1176	MIOA1461n	1232	MIOA1527	1288	MIOA1584	1344	MIOA1650a	1400	MIOA1726a

Figure 6D - Continued

1401	MIOA1727a	1457	MIOA1809a	1513	MIOA1891a	1569	MIOA1954a	1625	MIOA2029
1402	MIOA1729a	1458	MIOA1811a	1514	MIOA1892a	1570	MIOA1955a	1626	MIOA2031
1403	MIOA1731	1459	MIOA1812a	1515	MIOA1893a	1571	MIOA1956a	1627	mioa2032n
1404	MIOA1733	1460	MIOA1814a	1516	MIOA1894a	1572	MIOA1957a	1628	MIOA2033
1405	MIOA1734	1461	MIOA1815a	1517	MIOA1895a	1573	MIOA1959a	1629	MIOA2034
1406	MIOA1735	1462	MIOA1817a	1518	MIOA1896a	1574	MIOA1961a	1630	mioa2035
1407	MIOA1737	1463	MIOA1818a	1519	mioa1897a	1575	MIOA1963a	1631	MIOA2037
1408	MIOA1738	1464	MIOA1819a	1520	MIOA1898a	1576	MIOA1965a	1632	MIOA2038
1409	MIOA1739	1465	MIOA1821a	1521	mioa1899a	1577	MIOA1966a	1633	MIOA2039
1410	MIOA1741	1466	MIOA1822a	1522	MIOA1900a	1578	MIOA1967a	1634	MIOA2041
1411	MIOA1742	1467	MIOA1823a	1523	MIOA1901a	1579	MIOA1968a	1635	mioa2042
1412	MIOA1743n	1468	MIOA1824a	1524	MIOA1902a	1580	MIOA1969a	1636	mioa2043
1413	mioa1745n	1469	MIOA1825a	1525	MIOA1903a	1581	MIOA1971a	1637	MIOA2044
1414	MIOA1748	1470	MIOA1827a	1526	MIOA1904a	1582	MIOA1972a	1638	MIOA2046
1415	mioa1750n	1471	mioa1828a	1527	MIOA1905a	1583	mioa1975a	1639	mioa2047m
1416	MIOA1752	1472	MIOA1830a	1528	MIOA1906a	1584	MIOA1976a	1640	MIOA2049
1417	MIOA1753	1473	MIOA1832a	1529	MIOA1907a	1585	MIOA1978a	1641	MIOA2050
1418	MIOA1755	1474	MIOA1833a	1530	MIOA1908a	1586	MIOA1979a	1642	mioa2051n
1419	MIOA1756	1475	MIOA1834a	1531	MIOA1909a	1587	MIOA1980a	1643	MIOA2052n
1420	MIOA1757	1476	MIOA1835a	1532	MIOA1910a	1588	MIOA1981a	1644	MIOA2053
1421	MIOA1758	1477	MIOA1837a	1533	MIOA1911a	1589	MIOA1982a	1645	MIOA2054
1422	MIOA1760	1478	MIOA1838a	1534	MIOA1913a	1590	MIOA1983a	1646	MIOA2055
1423	MIOA1761	1479	MIOA1839a	1535	MIOA1914a	1591	mioa1984a	1647	MIOA2056
1424	MIOA1763	1480	MIOA1840a	1536	MIOA1915a	1592	MIOA1985	1648	MIOA2057
1425	mioa1764	1481	MIOA1841a	1537	mioa1916a	1593	mioa1986	1649	MIOA2058
1426	MIOA1765	1482	MIOA1843a	1538	MIOA1917a	1594	MIOA1987n	1650	MIOA2059n
1427	MIOA1766	1483	MIOA1844a	1539	MIOA1918a	1595	MIOA1988	1651	MIOA2060
1428	MIOA1767	1484	MIOA1845a	1540	MIOA1920a	1596	MIOA1989	1652	MIOA2061n
1429	MIOA1769	1485	MIOA1846a	1541	MIOA1921a	1597	MIOA1990	1653	mioa2062
1430	MIOA1770	1486	MIOA1847a	1542	MIOA1922a	1598	MIOA1991	1654	mioa2063
1431	MIOA1771	1487	MIOA1848a	1543	mioa1923a	1599	MIOA1992	1655	MIOA2064
1432	MIOA1773	1488	MIOA1849a	1544	MIOA1924a	1600	MIOA1994	1656	MIOA2065
1433	MIOA1774	1489	MIOA1851a	1545	MIOA1925a	1601	MIOA1995	1657	MIOA2066
1434	MIOA1775	1490	MIOA1852a	1546	MIOA1927a	1602	MIOA1996	1658	MIOA2068
1435	mioa1776	1491	MIOA1853a	1547	MIOA1928a	1603	MIOA1997	1659	mioa2069
1436	MIOA1777n	1492	mioa1854a	1548	MIOA1930a	1604	MIOA1999n	1660	MIOA2070
1437	MIOA1778	1493	MIOA1855a	1549	MIOA1932a	1605	MIOA2001n	1661	MIOA2071
1438	MIOA1779	1494	mioa1856m	1550	MIOA1933a	1606	MIOA2002	1662	MIOA2072
1439	MIOA1780	1495	MIOA1857m	1551	mioa1934an	1607	MIOA2004	1663	MIOA2073
1440	MIOA1781	1496	MIOA1858m	1552	MIOA1935a	1608	MIOA2005	1664	MIOA2074
1441	MIOA1784	1497	mioa1864a	1553	MIOA1936a	1609	MIOA2006	1665	MIOA2075
1442	MIOA1785	1498	MIOA1865a	1554	MIOA1937a	1610	MIOA2007	1666	MIOA2076
1443	MIOA1786	1499	MIOA1866a	1555	MIOA1938a	1611	MIOA2008	1667	MIOA2077
1444	MIOA1788	1500	MIOA1868a	1556	mioa1939a	1612	MIOA2009	1668	MIOA2078
1445	MIOA1790	1501	mioa1870n	1557	MIOA1940a	1613	MIOA2010	1669	MIOA2079n
1446	MIOA1791	1502	mioa1871an	1558	MIOA1941a	1614	MIOA2013	1670	MIOA2083n
1447	MIOA1792	1503	MIOA1874a	1559	MIOA1942a	1615	MIOA2015	1671	mioa2086
1448	MIOA1793	1504	MIOA1876a	1560	MIOA1943a	1616	MIOA2018	1672	MIOA2087n
1449	MIOA1794	1505	MIOA1880a	1561	MIOA1944a	1617	MIOA2019	1673	MIOA2088
1450	MIOA1795	1506	mioa1881a	1562	MIOA1945a	1618	MIOA2021	1674	MIOA2089
1451	MIOA1797m	1507	MIOA1882a	1563	MIOA1947a	1619	mioa2022	1675	MIOA2090
1452	MIOA1798m	1508	MIOA1884a	1564	MIOA1948a	1620	MIOA2023	1676	MIOA2091
1453	mioa1800m	1509	MIOA1885a	1565	MIOA1949a	1621	MIOA2024	1677	MIOA2092n
1454	MIOA1801m	1510	MIOA1887a	1566	MIOA1950a	1622	MIOA2025	1678	MIOA2093
1455	MIOA1802m	1511	MIOA1889a	1567	MIOA1952a	1623	MIOA2027	1679	MIOA2094
1456	MIOA1803m	1512	MIOA1890a	1568	MIOA1953a	1624	MIOA2028	1680	MIOA2095

Figure 6D – Continued

1681	MIOA2096	1737	MIOA2163a	1793	MIOA2234a	1849	MIOA2303a	1905	MIOA2380a
1682	MIOA2097	1738	MIOA2165a	1794	MIOA2235a	1850	MIOA2304a	1906	MIOA2381a
1683	MIOA2098	1739	MIOA2167a	1795	MIOA2236a	1851	MIOA2305a	1907	MIOA2383a
1684	MIOA2099	1740	MIOA2168a	1796	MIOA2238a	1852	MIOA2306a	1908	MIOA2384a
1685	MIOA2100	1741	MIOA2170a	1797	MIOA2239a	1853	MIOA2309a	1909	MIOA2385a
1686	MIOA2102	1742	MIOA2171a	1798	MIOA2241a	1854	MIOA2310a	1910	MIOA2386a
1687	MIOA2103	1743	MIOA2172a	1799	MIOA2242a	1855	MIOA2311a	1911	MIOA2388a
1688	MIOA2104	1744	MIOA2173a	1800	MIOA2243a	1856	MIOA2315a	1912	MIOA2389a
1689	mioa2106	1745	MIOA2174a	1801	MIOA2244a	1857	MIOA2316a	1913	MIOA2390a
1690	MIOA2107	1746	MIOA2175a	1802	MIOA2245a	1858	MIOA2319a	1914	MIOA2391a
1691	MIOA2109	1747	MIOA2176a	1803	MIOA2246a	1859	MIOA2320a	1915	MIOA2393a
1692	MIOA2110	1748	MIOA2177a	1804	MIOA2247a	1860	MIOA2323a	1916	MIOA2394a
1693	MIOA2111	1749	MIOA2179a	1805	MIOA2248a	1861	MIOA2324a	1917	MIOA2395a
1694	MIOA2112	1750	MIOA2180a	1806	MIOA2249a	1862	MIOA2326a	1918	MIOA2397a
1695	MIOA2113	1751	MIOA2181a	1807	MIOA2251a	1863	MIOA2327a	1919	MIOA2398a
1696	MIOA2114	1752	MIOA2182a	1808	MIOA2252a	1864	MIOA2328a	1920	MIOA2399a
1697	MIOA2116	1753	MIOA2183a	1809	MIOA2254a	1865	mioa2329a	1921	MIOA2400a
1698	mioa2117m	1754	MIOA2184a	1810	MIOA2256a	1866	MIOA2330a	1922	MIOA2401a
1699	MIOA2118	1755	MIOA2185a	1811	MIOA2257a	1867	MIOA2331a	1923	MIOA2402a
1700	MIOA2119	1756	MIOA2186a	1812	MIOA2258a	1868	MIOA2332a	1924	MIOA2409a
1701	MIOA2120	1757	MIOA2188a	1813	MIOA2259a	1869	MIOA2333a	1925	MIOA2411a
1702	MIOA2122	1758	MIOA2189a	1814	MIOA2260a	1870	MIOA2334a	1926	MIOA2412a
1703	MIOA2123	1759	MIOA2190a	1815	MIOA2261a	1871	MIOA2335a	1927	MIOA2413a
1704	MIOA2124	1760	MIOA2191a	1816	MIOA2262a	1872	MIOA2337a	1928	MIOA2414a
1705	mioa2125	1761	MIOA2192a	1817	MIOA2263a	1873	MIOA2338a	1929	MIOA2415a
1706	mioa2126m	1762	MIOA2193a	1818	MIOA2264a	1874	MIOA2339a	1930	MIOA2416a
1707	mioa2127m	1763	MIOA2194a	1819	MIOA2265a	1875	MIOA2340a	1931	MIOA2417a
1708	MIOA2128	1764	MIOA2195a	1820	mioa2266a	1876	MIOA2341a	1932	MIOA2418a
1709	mioa2129m	1765	MIOA2196a	1821	MIOA2268a	1877	MIOA2342a	1933	MIOA2419a
1710	mioa2130m	1766	MIOA2197a	1822	MIOA2269a	1878	MIOA2343a	1934	MIOA2420a
1711	mioa2133m	1767	mioa2199n	1823	MIOA2270a	1879	MIOA2344a	1935	MIOA2421a
1712	MIOA2134	1768	MIOA2200a	1824	MIOA2273a	1880	MIOA2346a	1936	MIOA2422a
1713	MIOA2135	1769	MIOA2201a	1825	MIOA2274a	1881	MIOA2347a	1937	MIOA2423a
1714	MIOA2136	1770	MIOA2202a	1826	MIOA2275a	1882	mioa2348a	1938	MIOA2424a
1715	MIOA2137	1771	MIOA2203a	1827	MIOA2276a	1883	MIOA2349a	1939	MIOA2425a
1716	MIOA2140	1772	MIOA2204a	1828	MIOA2277a	1884	MIOA2350a	1940	MIOA2426a
1717	MIOA2141	1773	MIOA2205a	1829	MIOA2278a	1885	MIOA2351a	1941	MIOA2427a
1718	mioa2142n	1774	MIOA2206a	1830	mioa2279a	1886	MIOA2352a	1942	MIOA2428a
1719	MIOA2144	1775	MIOA2207a	1831	MIOA2280a	1887	MIOA2353a	1943	MIOA2430a
1720	MIOA2146	1776	MIOA2209a	1832	MIOA2281a	1888	MIOA2355a	1944	MIOA2432a
1721	mioa2147	1777	MIOA2210a	1833	MIOA2285a	1889	MIOA2358a	1945	MIOA2433a
1722	mioa2148	1778	MIOA2211a	1834	MIOA2287a	1890	MIOA2360a	1946	MIOA2434a
1723	mioa2149	1779	MIOA2212a	1835	MIOA2288a	1891	MIOA2361a	1947	MIOA2435a
1724	MIOA2150	1780	MIOA2213a	1836	MIOA2289a	1892	mioa2363a	1948	MIOA2436a
1725	mioa2151m	1781	MIOA2214a	1837	MIOA2290a	1893	MIOA2364a	1949	MIOA2437a
1726	MIOA2152	1782	MIOA2217a	1838	MIOA2291a	1894	MIOA2365a	1950	MIOA2439a
1727	mioa2153m	1783	MIOA2222a	1839	MIOA2292a	1895	MIOA2366a	1951	MIOA2441a
1728	MIOA2154a	1784	MIOA2223a	1840	MIOA2293a	1896	MIOA2368a	1952	MIOA2444a
1729	MIOA2155a	1785	MIOA2224a	1841	MIOA2295a	1897	MIOA2371a	1953	MIOA2445a
1730	MIOA2156a	1786	MIOA2225a	1842	MIOA2296a	1898	MIOA2372a	1954	MIOA2446a
1731	MIOA2157a	1787	MIOA2226a	1843	MIOA2297a	1899	mioa2373a	1955	MIOA2447a
1732	MIOA2158a	1788	MIOA2227a	1844	MIOA2298a	1900	MIOA2374a	1956	mioa2448a
1733	MIOA2159a	1789	MIOA2229a	1845	MIOA2299a	1901	mioa2375a	1957	MIOA2449a
1734	MIOA2160a	1790	MIOA2230a	1846	MIOA2300a	1902	MIOA2377a	1958	MIOA2451a
1735	MIOA2161a	1791	MIOA2232a	1847	MIOA2301a	1903	MIOA2378a	1959	MIOA2452a
1736	MIOA2162a	1792	MIOA2233a	1848	MIOA2302a	1904	MIOA2379a	1960	MIOA2454a

Figure 6D – Continued

1961	MIOA2455a	2017	MIOA2534a	2073	MIOA2607a	2129	MIOA2697a	2185	MIOA2786a
1962	MIOA2457a	2018	MIOA2536a	2074	MIOA2608a	2130	MIOA2698a	2186	MIOA2787a
1963	MIOA2458a	2019	MIOA2537a	2075	MIOA2609a	2131	MIOA2700a	2187	MIOA2788a
1964	mioa2459a	2020	MIOA2540a	2076	MIOA2613a	2132	MIOA2702a	2188	MIOA2789a
1965	MIOA2460a	2021	MIOA2541a	2077	MIOA2615a	2133	MIOA2704a	2189	MIOA2790a
1966	MIOA2462a	2022	MIOA2542a	2078	MIOA2616a	2134	MIOA2705a	2190	MIOA2791a
1967	mioa2463a	2023	MIOA2545a	2079	MIOA2617a	2135	MIOA2706a	2191	MIOA2792a
1968	MIOA2465a	2024	MIOA2546a	2080	mioa2618	2136	MIOA2707a	2192	MIOA2794a
1969	MIOA2466a	2025	MIOA2547a	2081	MIOA2619	2137	MIOA2708a	2193	MIOA2795a
1970	MIOA2467a	2026	MIOA2548a	2082	MIOA2620	2138	MIOA2709a	2194	MIOA2796a
1971	MIOA2468a	2027	MIOA2549a	2083	MIOA2621	2139	MIOA2711a	2195	MIOA2797a
1972	MIOA2470a	2028	MIOA2550a	2084	MIOA2622	2140	MIOA2714a	2196	MIOA2798a
1973	MIOA2471a	2029	MIOA2551a	2085	mioa2623	2141	MIOA2715a	2197	MIOA2799a
1974	MIOA2472a	2030	MIOA2552a	2086	MIOA2624	2142	MIOA2716a	2198	MIOA2800a
1975	MIOA2475a	2031	MIOA2553a	2087	MIOA2625	2143	MIOA2717a	2199	MIOA2801a
1976	mioa2476a	2032	MIOA2554a	2088	MIOA2626	2144	MIOA2718a	2200	MIOA2802a
1977	MIOA2478a	2033	MIOA2555a	2089	mioa2627	2145	MIOA2720a	2201	MIOA2803a
1978	MIOA2479a	2034	MIOA2556a	2090	MIOA2628	2146	MIOA2722a	2202	MIOA2804a
1979	MIOA2481a	2035	mioa2557a	2091	MIOA2629	2147	MIOA2725a	2203	MIOA2805a
1980	MIOA2482a	2036	MIOA2558a	2092	MIOA2630	2148	MIOA2727a	2204	mioa2806a
1981	MIOA2483a	2037	MIOA2559a	2093	MIOA2631	2149	MIOA2729a	2205	MIOA2807a
1982	MIOA2485a	2038	MIOA2560a	2094	MIOA2632	2150	MIOA2730a	2206	mioa2808a
1983	MIOA2486a	2039	MIOA2561a	2095	MIOA2633	2151	MIOA2734a	2207	MIOA2809a
1984	MIOA2487a	2040	MIOA2563a	2096	MIOA2634	2152	MIOA2735a	2208	MIOA2810a
1985	mioa2488an	2041	MIOA2564a	2097	MIOA2635	2153	MIOA2736a	2209	mioa2811a
1986	MIOA2489a	2042	MIOA2565a	2098	MIOA2636	2154	MIOA2740a	2210	MIOA2812a
1987	MIOA2490a	2043	MIOA2567a	2099	mioa2637n	2155	MIOA2743a	2211	mioa2813a
1988	MIOA2491a	2044	MIOA2568a	2100	mioa2638m	2156	MIOA2747a	2212	MIOA2814a
1989	mioa2492a	2045	MIOA2569a	2101	MIOA2639	2157	MIOA2750a	2213	MIOA2815a
1990	MIOA2493a	2046	MIOA2570a	2102	MIOA2641	2158	MIOA2753a	2214	MIOA2816a
1991	MIOA2494a	2047	MIOA2571a	2103	MIOA2642	2159	MIOA2754a	2215	MIOA2818a
1992	MIOA2495a	2048	MIOA2572a	2104	MIOA2643	2160	MIOA2756a	2216	MIOA2820a
1993	MIOA2496a	2049	MIOA2573a	2105	MIOA2645	2161	MIOA2757a	2217	MIOA2822a
1994	MIOA2499a	2050	MIOA2574a	2106	MIOA2646	2162	MIOA2758a	2218	MIOA2823a
1995	MIOA2502a	2051	MIOA2575a	2107	MIOA2647	2163	MIOA2759a	2219	MIOA2825a
1996	mioa2503an	2052	MIOA2576a	2108	MIOA2648	2164	MIOA2760a	2220	MIOA2826a
1997	mioa2504an	2053	mioa2577a	2109	MIOA2650	2165	MIOA2761a	2221	MIOA2827a
1998	MIOA2505a	2054	MIOA2580a	2110	MIOA2652a	2166	MIOA2762a	2222	MIOA2828a
1999	MIOA2506a	2055	MIOA2581a	2111	MIOA2657a	2167	MIOA2764a	2223	mioa2830an
2000	MIOA2507a	2056	MIOA2583a	2112	MIOA2662a	2168	MIOA2765a	2224	MIOA2832a
2001	MIOA2509a	2057	MIOA2584a	2113	MIOA2663a	2169	MIOA2766a	2225	MIOA2833a
2002	MIOA2510a	2058	MIOA2587a	2114	MIOA2674a	2170	MIOA2768a	2226	MIOA2836a
2003	MIOA2511a	2059	MIOA2588a	2115	MIOA2675a	2171	MIOA2769a	2227	MIOA2837a
2004	MIOA2512a	2060	MIOA2589a	2116	MIOA2678a	2172	MIOA2770a	2228	MIOA2838a
2005	MIOA2515a	2061	MIOA2590a	2117	MIOA2679a	2173	mioa2772a	2229	MIOA2839a
2006	MIOA2518a	2062	MIOA2591a	2118	MIOA2680a	2174	MIOA2773a	2230	MIOA2841a
2007	MIOA2521a	2063	MIOA2593a	2119	MIOA2681a	2175	MIOA2774a	2231	MIOA2842a
2008	MIOA2522a	2064	MIOA2596a	2120	MIOA2684a	2176	MIOA2775a	2232	MIOA2844a
2009	MIOA2523a	2065	MIOA2598a	2121	MIOA2687a	2177	MIOA2777a	2233	MIOA2846a
2010	MIOA2524a	2066	MIOA2599a	2122	MIOA2689a	2178	MIOA2778a	2234	MIOA2847a
2011	MIOA2527a	2067	MIOA2601a	2123	MIOA2690a	2179	MIOA2779a	2235	MIOA2848a
2012	MIOA2528a	2068	MIOA2602a	2124	MIOA2691a	2180	MIOA2781a	2236	MIOA2850a
2013	MIOA2529a	2069	MIOA2603a	2125	MIOA2692a	2181	MIOA2782a	2237	MIOA2851a
2014	MIOA2531a	2070	MIOA2604a	2126	MIOA2693a	2182	MIOA2783a	2238	MIOA2852a
2015	MIOA2532a	2071	MIOA2605a	2127	MIOA2694a	2183	MIOA2784a	2239	MIOA2853a
2016	MIOA2533a	2072	mioa2606an	2128	MIOA2696a	2184	MIOA2785a	2240	MIOA2854a



Figure 6D – Continued

2241	MIOA2855a	2297	MIOA2939a	2353	MIOA3003a	2409	MIOA3090a	2465	MIOA3170a
2242	MIOA2856a	2298	MIOA2940a	2354	mioa3005a	2410	MIOA3092a	2466	mioa3172
2243	MIOA2857a	2299	mioa2941an	2355	MIOA3007a	2411	MIOA3096a	2467	MIOA3173a
2244	MIOA2858a	2300	MIOA2943a	2356	MIOA3009a	2412	MIOA3097a	2468	MIOA3174a
2245	MIOA2859a	2301	MIOA2944a	2357	MIOA3013a	2413	mioa3098a	2469	MIOA3175a
2246	MIOA2860a	2302	MIOA2945a	2358	MIOA3014a	2414	MIOA3101a	2470	mioa3176a
2247	MIOA2861a	2303	MIOA2946a	2359	MIOA3016a	2415	MIOA3102a	2471	MIOA3177a
2248	MIOA2862a	2304	MIOA2947a	2360	MIOA3018a	2416	MIOA3103a	2472	MIOA3178a
2249	MIOA2863a	2305	mioa2948a	2361	MIOA3020a	2417	MIOA3104a	2473	MIOA3179a
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2251	MIOA2866a	2307	MIOA2950a	2363	MIOA3022a	2419	MIOA3106a	2475	MIOA3183a
2252	MIOA2868a	2308	MIOA2951a	2364	MIOA3023a	2420	MIOA3107a	2476	MIOA3185a
2253	MIOA2869a	2309	MIOA2952a	2365	MIOA3024a	2421	MIOA3109a	2477	mioa3186a
2254	MIOA2871a	2310	MIOA2953a	2366	MIOA3025a	2422	MIOA3110a	2478	MIOA3187a
2255	MIOA2872a	2311	MIOA2954a	2367	MIOA3027a	2423	MIOA3111a	2479	MIOA3188a
2256	MIOA2874a	2312	mioa2955a	2368	MIOA3028a	2424	MIOA3112a	2480	MIOA3189a
2257	MIOA2875a	2313	MIOA2956a	2369	mioa3029an	2425	mioa3114a	2481	MIOA3192a
2258	MIOA2878a	2314	MIOA2958a	2370	MIOA3030a	2426	mioa3115an	2482	MIOA3193a
2259	MIOA2885a	2315	MIOA2959a	2371	MIOA3031a	2427	MIOA3117a	2483	MIOA3194a
2260	MIOA2886a	2316	MIOA2960a	2372	MIOA3032a	2428	MIOA3118a	2484	mioa3195a
2261	MIOA2887a	2317	MIOA2961a	2373	MIOA3034a	2429	MIOA3121a	2485	MIOA3196a
2262	MIOA2888a	2318	MIOA2962a	2374	MIOA3036a	2430	MIOA3122a	2486	mioa3198a
2263	MIOA2889a	2319	MIOA2963a	2375	MIOA3037a	2431	MIOA3123a	2487	MIOA3199a
2264	MIOA2890a	2320	mioa2964a	2376	MIOA3038a	2432	MIOA3124a	2488	MIOA3200a
2265	MIOA2893a	2321	MIOA2965a	2377	MIOA3039a	2433	MIOA3127a	2489	MIOA3203a
2266	MIOA2895a	2322	MIOA2966a	2378	MIOA3040a	2434	MIOA3129a	2490	MIOA3204a
2267	MIOA2897a	2323	MIOA2968a	2379	MIOA3041a	2435	MIOA3132a	2491	MIOA3205a
2268	MIOA2898a	2324	MIOA2970a	2380	MIOA3042a	2436	MIOA3133a	2492	MIOA3206a
2269	MIOA2899a	2325	MIOA2971a	2381	MIOA3043a	2437	MIOA3135a	2493	mioa3208a
2270	mioa2900an	2326	MIOA2973a	2382	MIOA3044a	2438	MIOA3136a	2494	MIOA3209a
2271	mioa2901a	2327	MIOA2975a	2383	mioa3045a	2439	mioa3137an	2495	MIOA3210a
2272	MIOA2902a	2328	MIOA2976a	2384	MIOA3047a	2440	MIOA3138a	2496	MIOA3212a
2273	MIOA2904a	2329	MIOA2977a	2385	MIOA3048a	2441	mioa3140a	2497	MIOA3213a
2274	MIOA2905a	2330	MIOA2978a	2386	mioa3049an	2442	MIOA3141a	2498	MIOA3216a
2275	MIOA2907a	2331	MIOA2979a	2387	MIOA3051a	2443	MIOA3143a	2499	MIOA3217a
2276	MIOA2908a	2332	MIOA2981a	2388	MIOA3053a	2444	MIOA3144a	2500	MIOA3223a
2277	MIOA2909a	2333	MIOA2982a	2389	MIOA3055a	2445	MIOA3146a	2501	MIOA3224a
2278	MIOA2910a	2334	MIOA2983a	2390	MIOA3057a	2446	MIOA3147a	2502	MIOA3226a
2279	MIOA2913a	2335	MIOA2984a	2391	MIOA3058a	2447	MIOA3148a	2503	MIOA3227a
2280	MIOA2914a	2336	MIOA2986a	2392	MIOA3060a	2448	mioa3149an	2504	mioa3229an
2281	MIOA2915a	2337	MIOA2987a	2393	MIOA3063a	2449	MIOA3150a	2505	MIOA3231a
2282	MIOA2917a	2338	MIOA2988a	2394	MIOA3064a	2450	MIOA3151a	2506	MIOA3232a
2283	MIOA2921a	2339	MIOA2989a	2395	MIOA3065a	2451	MIOA3152a	2507	MIOA3233a
2284	MIOA2922a	2340	MIOA2990a	2396	MIOA3066a	2452	MIOA3153a	2508	MIOA3236a
2285	MIOA2923a	2341	MIOA2991a	2397	MIOA3067a	2453	MIOA3154a	2509	MIOA3237a
2286	MIOA2925a	2342	MIOA2992a	2398	MIOA3070a	2454	MIOA3157a	2510	MIOA3239a
2287	MIOA2926a	2343	MIOA2993a	2399	MIOA3073a	2455	MIOA3159a	2511	MIOA3241a
2288	MIOA2927a	2344	MIOA2994a	2400	MIOA3074a	2456	MIOA3160a	2512	MIOA3243a
2289	MIOA2930a	2345	MIOA2995a	2401	MIOA3079a	2457	MIOA3161a	2513	MIOA3244a
2290	MIOA2931a	2346	MIOA2996a	2402	MIOA3080a	2458	MIOA3162a	2514	MIOA3245a
2291	MIOA2932a	2347	MIOA2997a	2403	MIOA3081a	2459	MIOA3163a	2515	MIOA3248a
2292	mioa2933a	2348	MIOA2998a	2404	MIOA3082a	2460	MIOA3164a	2516	MIOA3250a
2293	mioa2934a	2349	MIOA2999a	2405	MIOA3083a	2461	MIOA3165a	2517	mioa3251an
2294	MIOA2936a	2350	MIOA3000a	2406	MIOA3084a	2462	MIOA3166a	2518	mioa3252a
2295	MIOA2937a	2351	MIOA3001a	2407	MIOA3086a	2463	MIOA3167a	2519	MIOA3253a
2296	MIOA2938a	2352	MIOA3002a	2408	MIOA3089a	2464	MIOA3169a	2520	mioa3254an

Figure 6D – Continued

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2522	MIOA3257a	2578	MIOA3325a	2634	MIOA3389a	2690	MIOA3456a	2746	MIOA3528a
2523	MIOA3258a	2579	MIOA3326a	2635	MIOA3390a	2691	MIOA3458a	2747	MIOA3530a
2524	MIOA3259a	2580	MIOA3327a	2636	MIOA3392a	2692	MIOA3460a	2748	MIOA3531a
2525	MIOA3260a	2581	MIOA3328a	2637	MIOA3393a	2693	MIOA3461a	2749	MIOA3532a
2526	MIOA3261a	2582	MIOA3329a	2638	MIOA3394a	2694	MIOA3462a	2750	MIOA3533a
2527	MIOA3262a	2583	MIOA3330a	2639	MIOA3395a	2695	MIOA3464a	2751	MIOA3534a
2528	MIOA3265a	2584	MIOA3331a	2640	MIOA3396a	2696	MIOA3465a	2752	MIOA3535a
2529	mioa3266a	2585	MIOA3332a	2641	MIOA3397a	2697	MIOA3466a	2753	MIOA3536a
2530	MIOA3268a	2586	MIOA3333a	2642	MIOA3398a	2698	MIOA3467a	2754	MIOA3537a
2531	MIOA3269a	2587	MIOA3334a	2643	MIOA3399a	2699	MIOA3468a	2755	MIOA3538a
2532	mioa3271n	2588	MIOA3335a	2644	MIOA3400a	2700	MIOA3469a	2756	MIOA3540a
2533	mioa3272n	2589	mioa3336a	2645	MIOA3401a	2701	MIOA3470a	2757	mioa3541a
2534	MIOA3274	2590	mioa3337a	2646	MIOA3402a	2702	MIOA3471a	2758	MIOA3543a
2535	MIOA3275	2591	MIOA3339a	2647	mioa3404a	2703	MIOA3472a	2759	MIOA3544a
2536	mioa3276n	2592	MIOA3340a	2648	MIOA3405a	2704	MIOA3473a	2760	MIOA3545a
2537	MIOA3277	2593	MIOA3341a	2649	MIOA3406a	2705	MIOA3474a	2761	MIOA3547a
2538	MIOA3278	2594	MIOA3342a	2650	MIOA3408a	2706	MIOA3475a	2762	MIOA3548a
2539	MIOA3279a	2595	MIOA3343a	2651	MIOA3409a	2707	MIOA3476a	2763	MIOA3549a
2540	MIOA3281a	2596	MIOA3344a	2652	MIOA3410a	2708	MIOA3478a	2764	MIOA3550a
2541	MIOA3282a	2597	MIOA3345a	2653	MIOA3411a	2709	MIOA3479a	2765	MIOA3551a
2542	MIOA3283a	2598	MIOA3346a	2654	mioa3412a	2710	MIOA3480a	2766	MIOA3552a
2543	MIOA3284a	2599	MIOA3347a	2655	MIOA3414a	2711	mioa3481an	2767	MIOA3554a
2544	MIOA3286a	2600	MIOA3348a	2656	mioa3415a	2712	MIOA3482a	2768	MIOA3555a
2545	MIOA3287a	2601	MIOA3349a	2657	MIOA3416a	2713	MIOA3483a	2769	MIOA3557a
2546	mioa3288a	2602	MIOA3350a	2658	MIOA3417a	2714	MIOA3485a	2770	MIOA3558a
2547	MIOA3289a	2603	MIOA3351a	2659	MIOA3418a	2715	MIOA3486a	2771	MIOA3559a
2548	MIOA3290a	2604	MIOA3352a	2660	MIOA3419a	2716	MIOA3488a	2772	MIOA3562a
2549	MIOA3291a	2605	MIOA3353a	2661	mioa3420an	2717	MIOA3489a	2773	MIOA3564a
2550	MIOA3292a	2606	MIOA3354a	2662	MIOA3421a	2718	MIOA3492a	2774	MIOA3565a
2551	MIOA3293a	2607	MIOA3355a	2663	MIOA3422a	2719	MIOA3493a	2775	MIOA3566a
2552	MIOA3294a	2608	MIOA3357a	2664	MIOA3423a	2720	mioa3495a	2776	MIOA3567a
2553	MIOA3295a	2609	MIOA3359a	2665	mioa3424a	2721	MIOA3498a	2777	MIOA3568a
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2555	MIOA3297a	2611	MIOA3362a	2667	mioa3426a	2723	MIOA3501a	2779	MIOA3570a
2556	MIOA3298a	2612	mioa3363a	2668	MIOA3428a	2724	MIOA3502a	2780	MIOA3571a
2557	MIOA3301a	2613	MIOA3364a	2669	MIOA3429a	2725	MIOA3503a	2781	MIOA3572a
2558	MIOA3303a	2614	MIOA3365a	2670	mioa3430an	2726	MIOA3504a	2782	MIOA3573a
2559	mioa3304a	2615	MIOA3367a	2671	mioa3431a	2727	MIOA3505a	2783	mioa3574a
2560	MIOA3305a	2616	MIOA3368a	2672	MIOA3432a	2728	MIOA3507a	2784	MIOA3575a
2561	MIOA3306a	2617	mioa3369an	2673	MIOA3433a	2729	MIOA3508a	2785	MIOA3576a
2562	MIOA3307a	2618	MIOA3370a	2674	MIOA3434a	2730	MIOA3510a	2786	MIOA3577a
2563	MIOA3308a	2619	MIOA3372a	2675	MIOA3435a	2731	MIOA3511a	2787	MIOA3578a
2564	MIOA3309a	2620	MIOA3373a	2676	MIOA3436a	2732	MIOA3512a	2788	MIOA3579a
2565	mioa3310a	2621	MIOA3375a	2677	MIOA3437a	2733	mioa3513a	2789	MIOA3580a
2566	MIOA3311a	2622	MIOA3377a	2678	MIOA3439a	2734	MIOA3514a	2790	MIOA3581a
2567	MIOA3312a	2623	MIOA3378a	2679	MIOA3440a	2735	MIOA3515a	2791	MIOA3582a
2568	MIOA3313a	2624	MIOA3379a	2680	MIOA3443a	2736	MIOA3518a	2792	MIOA3583a
2569	MIOA3314a	2625	MIOA3380a	2681	MIOA3444a	2737	MIOA3519a	2793	MIOA3584a
2570	MIOA3315a	2626	MIOA3381a	2682	MIOA3445a	2738	MIOA3520a	2794	mioa3585a
2571	MIOA3316a	2627	MIOA3382a	2683	MIOA3447a	2739	MIOA3521a	2795	MIOA3586a
2572	MIOA3317a	2628	MIOA3383a	2684	MIOA3449a	2740	MIOA3522a	2796	MIOA3587a
2573	MIOA3318a	2629	mioa3384a	2685	MIOA3450a	2741	MIOA3523a	2797	MIOA3588a
2574	MIOA3319a	2630	MIOA3385a	2686	MIOA3451a	2742	MIOA3524a	2798	MIOA3589a
2575	MIOA3320a	2631	MIOA3386a	2687	MIOA3452a	2743	MIOA3525a	2799	MIOA3590a
2576	MIOA3321a	2632	MIOA3387a	2688	MIOA3453a	2744	MIOA3526a	2800	MIOA3591a

Figure 6D – Continued

2801	MIOA3594a	2857	MIOA3668a	2913	MIOA3731a	2969	MIOA3802	3025	MIOA3878
2802	MIOA3595a	2858	MIOA3669a	2914	MIOA3733a	2970	MIOA3803	3026	MIOA3880a
2803	MIOA3596a	2859	mioa3670an	2915	MIOA3734a	2971	MIOA3804	3027	mioa3881a
2804	MIOA3597a	2860	MIOA3671a	2916	MIOA3735a	2972	MIOA3805	3028	MIOA3882a
2805	MIOA3598a	2861	MIOA3672a	2917	MIOA3737a	2973	MIOA3806	3029	mioa3883a
2806	MIOA3599a	2862	MIOA3673a	2918	MIOA3738a	2974	MIOA3807	3030	MIOA3884a
2807	MIOA3600a	2863	MIOA3674a	2919	MIOA3739a	2975	mioa3808	3031	MIOA3885a
2808	MIOA3601a	2864	MIOA3675a	2920	MIOA3741a	2976	MIOA3809	3032	MIOA3886a
2809	MIOA3602a	2865	MIOA3677a	2921	MIOA3742a	2977	MIOA3811	3033	MIOA3887a
2810	MIOA3604a	2866	MIOA3678a	2922	MIOA3743a	2978	MIOA3812	3034	MIOA3888a
2811	MIOA3605a	2867	MIOA3679a	2923	MIOA3744a	2979	MIOA3813	3035	MIOA3889a
2812	MIOA3606a	2868	MIOA3680a	2924	MIOA3745a	2980	mioa3814n	3036	MIOA3890a
2813	MIOA3608a	2869	MIOA3682a	2925	MIOA3746a	2981	MIOA3815	3037	MIOA3891a
2814	MIOA3611a	2870	MIOA3683a	2926	MIOA3748a	2982	mioa3816n	3038	MIOA3892a
2815	MIOA3612a	2871	MIOA3684a	2927	MIOA3750a	2983	MIOA3818	3039	mioa3893a
2816	MIOA3614a	2872	MIOA3685a	2928	MIOA3751a	2984	MIOA3819	3040	mioa3894a
2817	MIOA3615a	2873	MIOA3686a	2929	MIOA3752a	2985	MIOA3820	3041	mioa3895a
2818	MIOA3616a	2874	MIOA3687a	2930	MIOA3754a	2986	mioa3821	3042	mioa3896a
2819	MIOA3617a	2875	MIOA3688a	2931	MIOA3755a	2987	MIOA3822	3043	mioa3898a
2820	MIOA3618a	2876	MIOA3689a	2932	MIOA3756a	2988	MIOA3823	3044	MIOA3899a
2821	MIOA3619a	2877	MIOA3690a	2933	MIOA3757a	2989	MIOA3826	3045	MIOA3900a
2822	MIOA3620a	2878	MIOA3691a	2934	MIOA3758a	2990	MIOA3828	3046	MIOA3901a
2823	mioa3625a	2879	MIOA3692a	2935	MIOA3759a	2991	MIOA3829	3047	MIOA3902a
2824	MIOA3626a	2880	MIOA3693a	2936	MIOA3760a	2992	MIOA3830	3048	MIOA3903a
2825	MIOA3627a	2881	mioa3694a	2937	MIOA3763	2993	MIOA3831	3049	MIOA3904a
2826	MIOA3628a	2882	MIOA3695a	2938	mioa3764	2994	MIOA3832	3050	MIOA3905a
2827	MIOA3629a	2883	MIOA3696a	2939	MIOA3765	2995	mioa3833	3051	mioa3907a
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2829	MIOA3634a	2885	MIOA3698a	2941	MIOA3767	2997	MIOA3835	3053	MIOA3911a
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2834	MIOA3640a	2890	MIOA3703a	2946	MIOA3774	3002	mioa3840	3058	MIOA3918a
2835	mioa3641a	2891	mioa3704a	2947	MIOA3775	3003	MIOA3842	3059	MIOA3919a
2836	MIOA3645a	2892	MIOA3705a	2948	MIOA3776	3004	MIOA3844	3060	MIOA3920a
2837	MIOA3646a	2893	MIOA3709a	2949	MIOA3777	3005	MIOA3846	3061	MIOA3921a
2838	MIOA3648a	2894	MIOA3710a	2950	mioa3778	3006	MIOA3849	3062	MIOA3922a
2839	MIOA3649a	2895	MIOA3711a	2951	MIOA3780	3007	MIOA3850	3063	MIOA3923a
2840	MIOA3650a	2896	MIOA3712a	2952	MIOA3781	3008	MIOA3851	3064	MIOA3924a
2841	MIOA3651a	2897	MIOA3713a	2953	MIOA3782	3009	mioa3852n	3065	MIOA3925a
2842	MIOA3652a	2898	MIOA3714a	2954	MIOA3783	3010	MIOA3855	3066	MIOA3926a
2843	mioa3653a	2899	mioa3715a	2955	MIOA3784	3011	MIOA3856	3067	MIOA3929a
2844	MIOA3654a	2900	MIOA3716a	2956	MIOA3786	3012	MIOA3857	3068	MIOA3930a
2845	MIOA3655a	2901	MIOA3717a	2957	MIOA3787	3013	MIOA3859	3069	MIOA3931a
2846	MIOA3656a	2902	MIOA3718a	2958	MIOA3788	3014	MIOA3860	3070	MIOA3932a
2847	MIOA3657a	2903	MIOA3719a	2959	mioa3790	3015	MIOA3862	3071	MIOA3933a
2848	MIOA3658a	2904	mioa3720an	2960	MIOA3791	3016	MIOA3863	3072	mioa3934a
2849	MIOA3659a	2905	MIOA3721a	2961	MIOA3792	3017	MIOA3864	3073	MIOA3935a
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2851	mioa3661a	2907	MIOA3723a	2963	MIOA3795	3019	MIOA3866	3075	MIOA3938a
2852	MIOA3662a	2908	MIOA3724a	2964	MIOA3796	3020	MIOA3867	3076	MIOA3939a
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2855	MIOA3666a	2911	MIOA3727a	2967	MIOA3799	3023	MIOA3872	3079	MIOA3942a
2856	MIOA3667	2912	MIOA3730a	2968	MIOA3801	3024	MIOA3873	3080	mioa3943a

Figure 6D – Continued

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3082	MIOA3945a	3138	MIOA4015a	3194	MIOA4086a	3250	mioa4178n	3306	MIOA4252
3083	MIOA3946a	3139	MIOA4016a	3195	MIOA4088a	3251	MIOA4179	3307	MIOA4253
3084	MIOA3947a	3140	MIOA4017a	3196	MIOA4089a	3252	mioa4180n	3308	mioa4255
3085	MIOA3948a	3141	MIOA4019a	3197	MIOA4090a	3253	MIOA4181	3309	MIOA4256
3086	MIOA3949a	3142	mioa4020a	3198	MIOA4091a	3254	MIOA4182	3310	MIOA4257
3087	MIOA3950a	3143	MIOA4021a	3199	MIOA4092a	3255	MIOA4183	3311	mioa4258n
3088	MIOA3951a	3144	MIOA4022a	3200	MIOA4093a	3256	MIOA4184	3312	MIOA4259
3089	MIOA3953a	3145	MIOA4023a	3201	mioa4094a	3257	MIOA4185	3313	mioa4261n
3090	MIOA3954a	3146	MIOA4024a	3202	MIOA4096a	3258	MIOA4186	3314	MIOA4264
3091	MIOA3955a	3147	MIOA4025a	3203	MIOA4098	3259	MIOA4187	3315	MIOA4265
3092	MIOA3956a	3148	MIOA4026a	3204	MIOA4102	3260	MIOA4190	3316	MIOA4266
3093	MIOA3958a	3149	MIOA4027a	3205	MIOA4105	3261	MIOA4191	3317	MIOA4267
3094	MIOA3959a	3150	MIOA4028a	3206	MIOA4106	3262	MIOA4193	3318	MIOA4268
3095	MIOA3960a	3151	MIOA4029a	3207	MIOA4107	3263	mioa4194n	3319	MIOA4269
3096	mioa3961a	3152	mioa4031a	3208	MIOA4109	3264	MIOA4196	3320	mioa4270
3097	MIOA3962a	3153	MIOA4033a	3209	MIOA4111	3265	mioa4197n	3321	MIOA4271
3098	MIOA3963a	3154	MIOA4035a	3210	MIOA4112	3266	MIOA4199	3322	MIOA4272
3099	MIOA3964a	3155	MIOA4036a	3211	MIOA4113	3267	MIOA4200	3323	MIOA4274
3100	MIOA3965a	3156	MIOA4037a	3212	MIOA4114	3268	MIOA4201	3324	MIOA4275
3101	MIOA3966a	3157	MIOA4039a	3213	mioa4115n	3269	MIOA4202	3325	mioa4276
3102	MIOA3967a	3158	MIOA4040a	3214	MIOA4120	3270	MIOA4204	3326	MIOA4277
3103	MIOA3969a	3159	MIOA4041a	3215	MIOA4121	3271	MIOA4205	3327	MIOA4278
3104	MIOA3970a	3160	mioa4042an	3216	mioa4122	3272	MIOA4206	3328	mioa4281n
3105	MIOA3972a	3161	MIOA4043a	3217	MIOA4123	3273	MIOA4207	3329	MIOA4283
3106	MIOA3973a	3162	MIOA4044a	3218	MIOA4127	3274	MIOA4209	3330	MIOA4284
3107	MIOA3974a	3163	mioa4045a	3219	MIOA4128	3275	MIOA4210	3331	MIOA4285
3108	MIOA3975a	3164	MIOA4046a	3220	MIOA4130	3276	MIOA4211	3332	mioa4286
3109	MIOA3977a	3165	MIOA4047a	3221	MIOA4131	3277	MIOA4212	3333	MIOA4287
3110	mioa3978an	3166	MIOA4048a	3222	MIOA4133	3278	MIOA4214	3334	MIOA4289a
3111	MIOA3979a	3167	MIOA4049a	3223	MIOA4134	3279	MIOA4215	3335	MIOA4290a
3112	MIOA3980a	3168	MIOA4050a	3224	MIOA4135	3280	MIOA4216	3336	MIOA4292a
3113	MIOA3981a	3169	MIOA4053a	3225	MIOA4136	3281	MIOA4217	3337	MIOA4293a
3114	MIOA3982a	3170	MIOA4054a	3226	MIOA4137	3282	MIOA4219	3338	MIOA4295a
3115	MIOA3983a	3171	MIOA4055a	3227	MIOA4139	3283	MIOA4221	3339	MIOA4299a
3116	MIOA3985a	3172	MIOA4056a	3228	MIOA4142	3284	MIOA4223	3340	MIOA4300a
3117	MIOA3986a	3173	MIOA4057a	3229	mioa4143	3285	MIOA4224	3341	mioa4301a
3118	MIOA3987a	3174	MIOA4058a	3230	mioa4144	3286	MIOA4225	3342	MIOA4302a
3119	MIOA3988a	3175	MIOA4059a	3231	MIOA4145	3287	MIOA4226	3343	MIOA4303a
3120	MIOA3989a	3176	MIOA4061a	3232	MIOA4148	3288	MIOA4227	3344	MIOA4304a
3121	MIOA3991a	3177	MIOA4064a	3233	MIOA4149	3289	MIOA4229	3345	MIOA4305a
3122	MIOA3992a	3178	MIOA4065a	3234	MIOA4150	3290	MIOA4230	3346	MIOA4306a
3123	MIOA3994a	3179	MIOA4066a	3235	mioa4151n	3291	MIOA4234	3347	MIOA4308a
3124	MIOA3997a	3180	MIOA4067a	3236	MIOA4156	3292	MIOA4235	3348	mioa4309an
3125	MIOA3998a	3181	MIOA4068a	3237	MIOA4161	3293	mioa4236	3349	MIOA4310a
3126	mioa4002a	3182	MIOA4069a	3238	MIOA4162	3294	MIOA4237	3350	MIOA4311a
3127	MIOA4003a	3183	MIOA4072a	3239	mioa4164	3295	MIOA4238	3351	MIOA4312a
3128	MIOA4004a	3184	MIOA4073a	3240	MIOA4166	3296	MIOA4239	3352	MIOA4313a
3129	MIOA4005a	3185	MIOA4074a	3241	MIOA4167	3297	MIOA4240	3353	MIOA4315a
3130	MIOA4006a	3186	MIOA4075a	3242	mioa4168n	3298	MIOA4241	3354	MIOA4316a
3131	MIOA4007a	3187	MIOA4076a	3243	mioa4169	3299	MIOA4242	3355	MIOA4317a
3132	MIOA4009a	3188	MIOA4077a	3244	mioa4170	3300	MIOA4243	3356	MIOA4318a
3133	MIOA4010a	3189	MIOA4079a	3245	mioa4171n	3301	MIOA4244	3357	MIOA4319a
3134	MIOA4011a	3190	MIOA4081a	3246	MIOA4173	3302	MIOA4245	3358	MIOA4320a
3135	MIOA4012a	3191	MIOA4082a	3247	MIOA4174	3303	MIOA4246	3359	MIOA4321a
3136	MIOA4013a	3192	MIOA4083a	3248	MIOA4176	3304	MIOA4247	3360	MIOA4322a

Figure 6D – Continued

3361	MIOA4323a	3417	MIOA4407	3473	MIOA4528a	3529	MIOA4616a	3585	MIOA4689
3362	MIOA4324a	3418	MIOA4409	3474	MIOA4532a	3530	MIOA4617a	3586	MIOA4690
3363	MIOA4325a	3419	MIOA4410	3475	MIOA4534a	3531	MIOA4618a	3587	MIOA4693
3364	MIOA4326a	3420	MIOA4411	3476	MIOA4536a	3532	MIOA4619a	3588	MIOA4694
3365	MIOA4329a	3421	MIOA4415	3477	MIOA4539a	3533	MIOA4620a	3589	MIOA4695
3366	MIOA4330a	3422	MIOA4416	3478	MIOA4541a	3534	MIOA4621a	3590	MIOA4696
3367	MIOA4331a	3423	MIOA4417	3479	MIOA4542a	3535	MIOA4622a	3591	mioa4697
3368	MIOA4332a	3424	MIOA4418	3480	MIOA4543a	3536	MIOA4623a	3592	MIOA4698
3369	MIOA4333a	3425	MIOA4419	3481	MIOA4544a	3537	MIOA4624a	3593	MIOA4699
3370	MIOA4334a	3426	MIOA4420	3482	MIOA4547a	3538	mioa4626a	3594	MIOA4700
3371	MIOA4335a	3427	MIOA4421	3483	MIOA4548a	3539	MIOA4627a	3595	mioa4701
3372	MIOA4336a	3428	MIOA4422	3484	MIOA4549a	3540	MIOA4628a	3596	MIOA4702
3373	MIOA4337a	3429	MIOA4423	3485	mioa4550a	3541	MIOA4629a	3597	MIOA4703
3374	MIOA4338a	3430	MIOA4425	3486	MIOA4551a	3542	MIOA4630a	3598	MIOA4704
3375	MIOA4339a	3431	MIOA4426	3487	MIOA4552a	3543	MIOA4631a	3599	mioa4706
3376	MIOA4340a	3432	MIOA4427	3488	MIOA4555a	3544	MIOA4632a	3600	MIOA4707
3377	MIOA4341a	3433	MIOA4428	3489	MIOA4557a	3545	MIOA4633a	3601	MIOA4709
3378	mioa4342a	3434	mioa4429n	3490	MIOA4558a	3546	MIOA4634a	3602	MIOA4710
3379	MIOA4343a	3435	MIOA4430	3491	mioa4559a	3547	MIOA4635a	3603	MIOA4711
3380	MIOA4345a	3436	MIOA4464a	3492	MIOA4560a	3548	MIOA4636a	3604	MIOA4712
3381	MIOA4346a	3437	MIOA4465a	3493	MIOA4563a	3549	MIOA4638a	3605	MIOA4713
3382	MIOA4347a	3438	MIOA4466a	3494	MIOA4564a	3550	MIOA4639a	3606	MIOA4715
3383	MIOA4348a	3439	mioa4468a	3495	MIOA4565a	3551	mioa4640an	3607	MIOA4716
3384	MIOA4349a	3440	MIOA4470a	3496	MIOA4566a	3552	MIOA4641a	3608	MIOA4717
3385	MIOA4353a	3441	MIOA4472a	3497	MIOA4567a	3553	MIOA4642a	3609	MIOA4718
3386	MIOA4354a	3442	MIOA4474a	3498	MIOA4568a	3554	MIOA4643a	3610	mioa4719n
3387	MIOA4355a	3443	MIOA4475a	3499	MIOA4572a	3555	MIOA4645a	3611	MIOA4720
3388	MIOA4356a	3444	MIOA4476a	3500	MIOA4573a	3556	MIOA4646a	3612	MIOA4721
3389	MIOA4357a	3445	MIOA4477a	3501	MIOA4579a	3557	mioa4647a	3613	MIOA4722
3390	mioa4360an	3446	mioa4483a	3502	MIOA4580a	3558	MIOA4650a	3614	MIOA4723
3391	MIOA4363a	3447	MIOA4484a	3503	MIOA4581a	3559	MIOA4651a	3615	mioa4725
3392	MIOA4365a	3448	MIOA4485a	3504	MIOA4582a	3560	mioa4653an	3616	MIOA4726
3393	MIOA4366a	3449	mioa4486a	3505	MIOA4583a	3561	mioa4655an	3617	MIOA4727
3394	MIOA4367a	3450	MIOA4487a	3506	MIOA4585a	3562	MIOA4658a	3618	MIOA4728
3395	MIOA4368a	3451	MIOA4488a	3507	mioa4587a	3563	MIOA4660a	3619	MIOA4729
3396	MIOA4370a	3452	mioa4491a	3508	MIOA4589a	3564	MIOA4661a	3620	MIOA4730
3397	MIOA4372a	3453	MIOA4493a	3509	MIOA4590a	3565	MIOA4663a	3621	MIOA4732
3398	MIOA4373a	3454	mioa4496a	3510	MIOA4594a	3566	MIOA4665a	3622	MIOA4733
3399	MIOA4378a	3455	MIOA4499a	3511	MIOA4595a	3567	MIOA4667a	3623	MIOA4734
3400	MIOA4381a	3456	MIOA4500a	3512	MIOA4596a	3568	MIOA4669a	3624	MIOA4735
3401	MIOA4382a	3457	MIOA4501a	3513	MIOA4597a	3569	mioa4670an	3625	mioa4736
3402	MIOA4383a	3458	mioa4502a	3514	mioa4598a	3570	MIOA4673	3626	MIOA4737
3403	MIOA4384a	3459	MIOA4503a	3515	MIOA4599a	3571	MIOA4674	3627	MIOA4738
3404	MIOA4386	3460	MIOA4504a	3516	MIOA4600a	3572	MIOA4675	3628	mioa4739
3405	mioa4387	3461	MIOA4508a	3517	MIOA4601a	3573	MIOA4677	3629	MIOA4740
3406	mioa4389n	3462	MIOA4509a	3518	MIOA4602a	3574	MIOA4678	3630	MIOA4742
3407	MIOA4390	3463	MIOA4510a	3519	MIOA4603a	3575	MIOA4679	3631	MIOA4744
3408	MIOA4391	3464	MIOA4512a	3520	MIOA4604a	3576	MIOA4680	3632	MIOA4745
3409	MIOA4393	3465	MIOA4515a	3521	MIOA4605a	3577	MIOA4681	3633	MIOA4746
3410	MIOA4394	3466	MIOA4517a	3522	MIOA4606a	3578	MIOA4682	3634	mioa4748
3411	mioa4396n	3467	mioa4518a	3523	MIOA4608a	3579	mioa4683	3635	MIOA4749
3412	MIOA4398	3468	mioa4519a	3524	MIOA4609a	3580	MIOA4684	3636	MIOA4750
3413	MIOA4399	3469	MIOA4520a	3525	MIOA4610a	3581	MIOA4685	3637	MIOA4751
3414	MIOA4400	3470	MIOA4525a	3526	MIOA4611a	3582	MIOA4686	3638	MIOA4752
3415	mioa4403	3471	MIOA4526a	3527	MIOA4612a	3583	MIOA4687	3639	MIOA4753
3416	MIOA4406	3472	MIOA4527a	3528	MIOA4615a	3584	MIOA4688	3640	MIOA4754

Figure 6D – Continued

3641	MIOA4755	3697	MIOA4827a	3753	MIOA4918a	3809	MIOA5005a	3865	MIOA5087a
3642	MIOA4756	3698	MIOA4828a	3754	MIOA4920a	3810	MIOA5006a	3866	MIOA5090a
3643	MIOA4757	3699	MIOA4829a	3755	mioa4921a	3811	MIOA5008a	3867	mioa5093an
3644	mioa4759	3700	MIOA4830a	3756	MIOA4922a	3812	MIOA5010a	3868	MIOA5096a
3645	MIOA4760	3701	MIOA4832a	3757	MIOA4923a	3813	MIOA5011a	3869	MIOA5097a
3646	MIOA4763	3702	mioa4834a	3758	MIOA4926a	3814	MIOA5012a	3870	MIOA5098a
3647	mioa4764	3703	MIOA4836a	3759	mioa4927an	3815	MIOA5013a	3871	MIOA5099a
3648	MIOA4765	3704	MIOA4837a	3760	MIOA4928a	3816	MIOA5014a	3872	MIOA5102a
3649	MIOA4766	3705	mioa4838a	3761	MIOA4929a	3817	MIOA5015a	3873	MIOA5105a
3650	MIOA4767	3706	MIOA4841a	3762	MIOA4930a	3818	MIOA5016a	3874	MIOA5106a
3651	MIOA4769	3707	MIOA4842a	3763	MIOA4934a	3819	MIOA5017a	3875	MIOA5108a
3652	MIOA4770	3708	MIOA4843a	3764	MIOA4935a	3820	mioa5018an	3876	mioa5109a
3653	MIOA4771	3709	MIOA4845a	3765	MIOA4937a	3821	MIOA5019a	3877	MIOA5110a
3654	MIOA4774	3710	MIOA4846a	3766	MIOA4939a	3822	MIOA5020a	3878	MIOA5111a
3655	MIOA4775	3711	MIOA4847a	3767	MIOA4940a	3823	MIOA5021a	3879	MIOA5113a
3656	mioa4776	3712	mioa4849an	3768	MIOA4941a	3824	MIOA5024a	3880	MIOA5114a
3657	MIOA4777	3713	MIOA4850a	3769	MIOA4942a	3825	MIOA5025a	3881	MIOA5115a
3658	MIOA4778	3714	MIOA4851a	3770	MIOA4943a	3826	MIOA5027a	3882	mioa5116a
3659	MIOA4779	3715	MIOA4852a	3771	MIOA4944a	3827	MIOA5029a	3883	MIOA5117a
3660	MIOA4781a	3716	MIOA4853a	3772	MIOA4945a	3828	MIOA5030a	3884	MIOA5118a
3661	MIOA4782a	3717	mioa4854an	3773	MIOA4946a	3829	MIOA5031a	3885	MIOA5119a
3662	MIOA4783a	3718	MIOA4855a	3774	MIOA4947a	3830	MIOA5033a	3886	MIOA5120a
3663	MIOA4785a	3719	MIOA4858a	3775	MIOA4949a	3831	MIOA5034a	3887	MIOA5121a
3664	mioa4786an	3720	MIOA4864a	3776	MIOA4951a	3832	MIOA5035a	3888	mioa5122a
3665	MIOA4787a	3721	MIOA4868a	3777	mioa4953an	3833	MIOA5036a	3889	MIOA5124a
3666	MIOA4788a	3722	MIOA4869a	3778	MIOA4954a	3834	MIOA5037a	3890	MIOA5126a
3667	MIOA4789a	3723	MIOA4870a	3779	MIOA4955a	3835	MIOA5038a	3891	MIOA5127a
3668	MIOA4790a	3724	mioa4874a	3780	MIOA4956a	3836	MIOA5040a	3892	MIOA5129a
3669	mioa4791an	3725	MIOA4877a	3781	MIOA4957a	3837	MIOA5042a	3893	MIOA5131a
3670	MIOA4792a	3726	MIOA4878a	3782	MIOA4959a	3838	MIOA5043a	3894	MIOA5132a
3671	MIOA4793a	3727	MIOA4880a	3783	MIOA4962a	3839	MIOA5045a	3895	MIOA5133a
3672	mioa4795an	3728	MIOA4881a	3784	MIOA4963a	3840	MIOA5046a	3896	MIOA5134a
3673	MIOA4796a	3729	MIOA4882a	3785	MIOA4964a	3841	MIOA5047a	3897	MIOA5138a
3674	MIOA4797a	3730	MIOA4883a	3786	MIOA4972a	3842	MIOA5049a	3898	MIOA5139a
3675	MIOA4798a	3731	MIOA4884a	3787	MIOA4973a	3843	MIOA5051a	3899	MIOA5140a
3676	MIOA4800a	3732	MIOA4885a	3788	MIOA4974a	3844	MIOA5052a	3900	MIOA5141a
3677	MIOA4803a	3733	MIOA4886a	3789	MIOA4975a	3845	MIOA5053a	3901	MIOA5142a
3678	MIOA4804a	3734	MIOA4887a	3790	MIOA4978a	3846	MIOA5054a	3902	MIOA5143a
3679	MIOA4805a	3735	MIOA4890a	3791	MIOA4980a	3847	MIOA5056a	3903	MIOA5144a
3680	MIOA4806a	3736	MIOA4891a	3792	MIOA4982a	3848	MIOA5057a	3904	MIOA5145a
3681	MIOA4808a	3737	MIOA4892a	3793	MIOA4983a	3849	MIOA5059a	3905	MIOA5146a
3682	MIOA4809a	3738	MIOA4893a	3794	MIOA4985a	3850	MIOA5061a	3906	MIOA5147a
3683	MIOA4810a	3739	MIOA4894a	3795	MIOA4987a	3851	MIOA5063a	3907	MIOA5149a
3684	MIOA4811a	3740	MIOA4895a	3796	MIOA4989a	3852	MIOA5069a	3908	MIOA5150a
3685	MIOA4813a	3741	mioa4896a	3797	MIOA4991a	3853	MIOA5070a	3909	MIOA5151a
3686	MIOA4814a	3742	MIOA4898a	3798	MIOA4992a	3854	MIOA5072a	3910	MIOA5155a
3687	MIOA4815a	3743	MIOA4899a	3799	MIOA4993a	3855	mioa5073a	3911	MIOA5156a
3688	MIOA4816a	3744	MIOA4901a	3800	MIOA4994a	3856	MIOA5074a	3912	MIOA5157a
3689	MIOA4817a	3745	MIOA4902a	3801	MIOA4995a	3857	MIOA5075a	3913	MIOA5158a
3690	MIOA4818a	3746	MIOA4903a	3802	MIOA4998a	3858	MIOA5079a	3914	MIOA5159a
3691	MIOA4819a	3747	MIOA4905a	3803	MIOA4999a	3859	MIOA5080a	3915	MIOA5160a
3692	MIOA4820a	3748	MIOA4906a	3804	MIOA5000a	3860	MIOA5081a	3916	MIOA5161a
3693	MIOA4821a	3749	mioa4912an	3805	MIOA5001a	3861	MIOA5082a	3917	MIOA5162a
3694	MIOA4823a	3750	MIOA4914a	3806	MIOA5002a	3862	MIOA5084a	3918	MIOA5163a
3695	MIOA4824a	3751	MIOA4915a	3807	MIOA5003a	3863	MIOA5085a	3919	MIOA5164a
3696	MIOA4826a	3752	MIOA4916a	3808	MIOA5004a	3864	MIOA5086a	3920	MIOA5165a

Figure 6D – Continued

3921	MIOA5169a	3977	MIOA5278a	4033	MIOA5412a	4089	MIOA5487a	4145	mioa5549a
3922	MIOA5170a	3978	MIOA5281a	4034	MIOA5413a	4090	MIOA5488a	4146	MIOA5550a
3923	MIOA5171a	3979	MIOA5286a	4035	MIOA5416a	4091	MIOA5489a	4147	MIOA5551a
3924	MIOA5172a	3980	MIOA5289a	4036	MIOA5418a	4092	MIOA5490a	4148	MIOA5552a
3925	mioa5173a	3981	MIOA5293a	4037	MIOA5420a	4093	mioa5491a	4149	MIOA5554a
3926	MIOA5174a	3982	MIOA5294a	4038	MIOA5421a	4094	MIOA5492a	4150	MIOA5555a
3927	MIOA5175a	3983	MIOA5297a	4039	mioa5422an	4095	MIOA5493a	4151	MIOA5556a
3928	MIOA5176a	3984	MIOA5302a	4040	MIOA5425a	4096	MIOA5494a	4152	mioa5557a
3929	MIOA5178a	3985	MIOA5305a	4041	MIOA5427a	4097	MIOA5495a	4153	MIOA5558a
3930	mioa5180a	3986	mioa5306a	4042	MIOA5430a	4098	MIOA5496a	4154	MIOA5561a
3931	MIOA5181a	3987	MIOA5310a	4043	mioa5431an	4099	MIOA5497a	4155	MIOA5562a
3932	mioa5186a	3988	mioa5316a	4044	MIOA5435a	4100	MIOA5498a	4156	MIOA5563a
3933	MIOA5188a	3989	MIOA5317a	4045	MIOA5436a	4101	MIOA5499a	4157	MIOA5564a
3934	MIOA5189a	3990	MIOA5324a	4046	MIOA5437a	4102	MIOA5500a	4158	mioa5565a
3935	MIOA5192a	3991	mioa5325a	4047	MIOA5439a	4103	MIOA5501a	4159	MIOA5566a
3936	MIOA5193a	3992	MIOA5326a	4048	MIOA5440a	4104	mioa5502a	4160	MIOA5567a
3937	MIOA5194a	3993	MIOA5329a	4049	MIOA5441a	4105	MIOA5503a	4161	MIOA5569a
3938	MIOA5195a	3994	MIOA5330a	4050	MIOA5443a	4106	MIOA5504a	4162	MIOA5570a
3939	MIOA5196a	3995	MIOA5331a	4051	MIOA5444a	4107	MIOA5505a	4163	MIOA5571a
3940	MIOA5197a	3996	MIOA5333a	4052	MIOA5446a	4108	MIOA5506a	4164	MIOA5572a
3941	MIOA5198a	3997	MIOA5334a	4053	MIOA5447a	4109	MIOA5507a	4165	MIOA5573a
3942	MIOA5199a	3998	MIOA5346a	4054	MIOA5448a	4110	MIOA5508a	4166	MIOA5574a
3943	MIOA5200a	3999	MIOA5348a	4055	MIOA5449a	4111	MIOA5510a	4167	MIOA5575a
3944	MIOA5202a	4000	mioa5349a	4056	MIOA5450a	4112	MIOA5511a	4168	MIOA5576a
3945	MIOA5203a	4001	MIOA5351a	4057	MIOA5451a	4113	MIOA5512a	4169	MIOA5577a
3946	MIOA5204a	4002	MIOA5354a	4058	MIOA5452a	4114	mioa5513a	4170	MIOA5578a
3947	MIOA5205a	4003	MIOA5355a	4059	MIOA5453a	4115	MIOA5514a	4171	MIOA5579a
3948	MIOA5209a	4004	MIOA5356a	4060	mioa5454a	4116	MIOA5516a	4172	MIOA5580a
3949	MIOA5210a	4005	MIOA5357a	4061	MIOA5455a	4117	MIOA5518a	4173	MIOA5581a
3950	MIOA5211a	4006	MIOA5358a	4062	MIOA5456a	4118	MIOA5519a	4174	MIOA5582a
3951	MIOA5212a	4007	mioa5359a	4063	MIOA5457a	4119	mioa5520a	4175	MIOA5583a
3952	MIOA5216a	4008	MIOA5364a	4064	mioa5458a	4120	MIOA5522a	4176	MIOA5584a
3953	MIOA5217a	4009	MIOA5366a	4065	MIOA5459a	4121	MIOA5524a	4177	MIOA5585a
3954	MIOA5218a	4010	MIOA5367a	4066	MIOA5460a	4122	MIOA5525a	4178	MIOA5586a
3955	mioa5219a	4011	MIOA5368a	4067	MIOA5461a	4123	MIOA5526a	4179	MIOA5587a
3956	MIOA5220	4012	MIOA5369a	4068	MIOA5462a	4124	mioa5527a	4180	MIOA5588a
3957	MIOA5221a	4013	MIOA5371a	4069	MIOA5463a	4125	MIOA5528a	4181	MIOA5589a
3958	MIOA5224a	4014	MIOA5373a	4070	MIOA5464a	4126	MIOA5530a	4182	MIOA5590a
3959	MIOA5225a	4015	MIOA5390a	4071	MIOA5465a	4127	MIOA5531a	4183	MIOA5591a
3960	MIOA5226a	4016	MIOA5391a	4072	MIOA5466a	4128	MIOA5532a	4184	MIOA5592a
3961	MIOA5229a	4017	MIOA5393a	4073	mioa5467a	4129	MIOA5533a	4185	MIOA5593a
3962	MIOA5231a	4018	MIOA5394a	4074	MIOA5468a	4130	MIOA5534a	4186	MIOA5594a
3963	MIOA5233a	4019	MIOA5395a	4075	MIOA5469a	4131	MIOA5535a	4187	MIOA5595a
3964	MIOA5236a	4020	MIOA5396a	4076	MIOA5470a	4132	MIOA5536a	4188	MIOA5597a
3965	MIOA5237a	4021	MIOA5397a	4077	MIOA5472a	4133	MIOA5537a	4189	MIOA5598a
3966	MIOA5244a	4022	MIOA5398a	4078	MIOA5473a	4134	MIOA5538a	4190	MIOA5599a
3967	mioa5245a	4023	MIOA5399a	4079	MIOA5474a	4135	MIOA5539a	4191	MIOA5600a
3968	MIOA5247a	4024	mioa5400a	4080	mioa5477a	4136	MIOA5540a	4192	MIOA5601a
3969	MIOA5248a	4025	MIOA5401a	4081	MIOA5478a	4137	MIOA5541a	4193	MIOA5602a
3970	MIOA5249a	4026	mioa5402a	4082	MIOA5479a	4138	MIOA5542a	4194	MIOA5603a
3971	MIOA5254a	4027	MIOA5403a	4083	MIOA5480a	4139	MIOA5543a	4195	MIOA5604a
3972	MIOA5257a	4028	MIOA5404a	4084	MIOA5481a	4140	MIOA5544a	4196	MIOA5605a
3973	MIOA5261a	4029	MIOA5408a	4085	MIOA5482a	4141	MIOA5545a	4197	MIOA5606a
3974	MIOA5265a	4030	MIOA5409a	4086	MIOA5484a	4142	MIOA5546a	4198	MIOA5607a
3975	MIOA5266a	4031	MIOA5410a	4087	MIOA5485a	4143	MIOA5547a	4199	MIOA5608a
3976	MIOA5273a	4032	MIOA5411m	4088	MIOA5486a	4144	MIOA5548a	4200	MIOA5609a

Figure 6D – Continued

4201	MIOA5610a	4257	mioa5683n	4313	MIOA5765a	4369	MIOA5837a	4425	MIOA5914a
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4203	MIOA5612a	4259	MIOA5685	4315	MIOA5768a	4371	MIOA5842a	4427	MIOA5916a
4204	MIOA5613a	4260	MIOA5686	4316	MIOA5769a	4372	mioa5843a	4428	MIOA5917a
4205	MIOA5614a	4261	MIOA5687	4317	MIOA5771a	4373	MIOA5844a	4429	mioa5918an
4206	MIOA5616a	4262	MIOA5688	4318	mioa5772a	4374	MIOA5846a	4430	MIOA5919a
4207	MIOA5617a	4263	MIOA5689	4319	MIOA5773a	4375	MIOA5847a	4431	MIOA5920a
4208	MIOA5618a	4264	MIOA5690	4320	MIOA5774a	4376	MIOA5848a	4432	MIOA5922a
4209	mioa5619a	4265	MIOA5691	4321	mioa5775a	4377	MIOA5849a	4433	MIOA5923a
4210	MIOA5620a	4266	MIOA5692	4322	MIOA5776a	4378	MIOA5851a	4434	MIOA5924a
4211	MIOA5621a	4267	mioa5693	4323	MIOA5777a	4379	MIOA5852a	4435	MIOA5925a
4212	MIOA5622a	4268	MIOA5695	4324	MIOA5779a	4380	MIOA5854a	4436	MIOA5926a
4213	MIOA5623a	4269	mioa5696n	4325	MIOA5780a	4381	mioa5856a	4437	MIOA5928a
4214	MIOA5624a	4270	MIOA5697	4326	MIOA5781a	4382	MIOA5858a	4438	MIOA5929a
4215	MIOA5625a	4271	MIOA5698	4327	mioa5782an	4383	MIOA5859a	4439	MIOA5930a
4216	mioa5626a	4272	MIOA5699	4328	mioa5783an	4384	MIOA5860a	4440	MIOA5932a
4217	mioa5627a	4273	MIOA5701	4329	MIOA5784a	4385	mioa5861an	4441	MIOA5933a
4218	MIOA5628a	4274	MIOA5705	4330	MIOA5786a	4386	MIOA5862a	4442	MIOA5934a
4219	MIOA5629a	4275	mioa5706n	4331	mioa5787an	4387	MIOA5865a	4443	MIOA5935a
4220	MIOA5631a	4276	MIOA5709	4332	MIOA5788a	4388	MIOA5866a	4444	MIOA5937a
4221	MIOA5632a	4277	MIOA5710	4333	MIOA5789a	4389	mioa5867an	4445	MIOA5938a
4222	mioa5633a	4278	mioa5711n	4334	MIOA5790a	4390	MIOA5869a	4446	MIOA5939a
4223	MIOA5634a	4279	MIOA5712	4335	MIOA5791a	4391	MIOA5873a	4447	MIOA5940a
4224	MIOA5636a	4280	mioa5713n	4336	MIOA5792a	4392	MIOA5874a	4448	MIOA5941a
4225	MIOA5637a	4281	MIOA5714	4337	MIOA5793a	4393	MIOA5875a	4449	mioa5942an
4226	MIOA5639a	4282	mioa5715	4338	MIOA5795a	4394	MIOA5877a	4450	MIOA5943a
4227	MIOA5640a	4283	MIOA5718	4339	mioa5796a	4395	MIOA5878a	4451	MIOA5944a
4228	MIOA5641a	4284	MIOA5719	4340	MIOA5797a	4396	mioa5879a	4452	MIOA5945a
4229	MIOA5642a	4285	mioa5722n	4341	MIOA5799a	4397	MIOA5880a	4453	mioa5946a
4230	MIOA5644a	4286	MIOA5724	4342	mioa5800a	4398	mioa5881an	4454	MIOA5947a
4231	MIOA5645a	4287	MIOA5725	4343	MIOA5802a	4399	MIOA5882a	4455	MIOA5948a
4232	MIOA5648	4288	MIOA5726	4344	MIOA5803a	4400	mioa5883an	4456	MIOA5949a
4233	MIOA5649	4289	MIOA5727	4345	MIOA5804a	4401	MIOA5884a	4457	MIOA5950a
4234	MIOA5650	4290	MIOA5728	4346	MIOA5808a	4402	MIOA5885a	4458	MIOA5951a
4235	mioa5651n	4291	MIOA5729a	4347	MIOA5809a	4403	MIOA5886a	4459	MIOA5952a
4236	MIOA5652	4292	MIOA5730a	4348	mioa5811a	4404	MIOA5887a	4460	MIOA5953a
4237	mioa5653n	4293	MIOA5731a	4349	MIOA5812a	4405	MIOA5888a	4461	MIOA5954a
4238	MIOA5654	4294	MIOA5733a	4350	MIOA5813a	4406	MIOA5889a	4462	MIOA5955a
4239	MIOA5655	4295	MIOA5738a	4351	MIOA5814a	4407	mioa5891a	4463	MIOA5956a
4240	MIOA5656	4296	MIOA5744a	4352	MIOA5817a	4408	MIOA5892a	4464	MIOA5957a
4241	mioa5659	4297	MIOA5746a	4353	mioa5818a	4409	MIOA5893a	4465	MIOA5958a
4242	mioa5661n	4298	MIOA5747a	4354	mioa5819an	4410	MIOA5894a	4466	MIOA5959a
4243	MIOA5663	4299	MIOA5748a	4355	MIOA5820a	4411	MIOA5895a	4467	MIOA5960a
4244	mioa5665n	4300	MIOA5750a	4356	MIOA5821a	4412	MIOA5896a	4468	MIOA5961a
4245	mioa5666n	4301	mioa5751a	4357	MIOA5822a	4413	MIOA5897a	4469	MIOA5963a
4246	MIOA5667	4302	MIOA5752a	4358	MIOA5823a	4414	MIOA5898a	4470	MIOA5964a
4247	mioa5668n	4303	MIOA5753a	4359	MIOA5824a	4415	MIOA5899a	4471	MIOA5965a
4248	MIOA5669	4304	mioa5754a	4360	MIOA5825a	4416	MIOA5901a	4472	MIOA5966a
4249	MIOA5672	4305	mioa5755a	4361	MIOA5826a	4417	MIOA5902a	4473	mioa5968a
4250	MIOA5674	4306	MIOA5756a	4362	MIOA5827a	4418	mioa5903an	4474	MIOA5969a
4251	MIOA5676	4307	MIOA5758a	4363	MIOA5828a	4419	MIOA5904a	4475	MIOA5970a
4252	MIOA5677	4308	MIOA5759a	4364	mioa5829a	4420	MIOA5905a	4476	MIOA5971a
4253	MIOA5678	4309	MIOA5760a	4365	MIOA5833a	4421	MIOA5906a	4477	MIOA5974a
4254	mioa5679n	4310	MIOA5761a	4366	MIOA5834a	4422	mioa5910an	4478	MIOA5975a
4255	MIOA5681	4311	mioa5762a	4367	mioa5835an	4423	MIOA5912a	4479	MIOA5976a
4256	MIOA5682	4312	MIOA5764a	4368	MIOA5836a	4424	MIOA5913a	4480	MIOA5978a



Figure 6D – Continued

4481	MIOA5979a	4537	MIOA6049a	4593	mioa6117a	4649	MIOA6191a	4705	mioa6305a
4482	MIOA5980a	4538	MIOA6053a	4594	MIOA6118a	4650	mioa6192a	4706	mioa6307a
4483	mioa5981a	4539	MIOA6054a	4595	MIOA6121a	4651	MIOA6194a	4707	MIOA6312a
4484	MIOA5982a	4540	MIOA6056a	4596	MIOA6122a	4652	mioa6195an	4708	MIOA6314a
4485	MIOA5983a	4541	MIOA6057a	4597	mioa6123a	4653	MIOA6196a	4709	MIOA6315a
4486	mioa5984a	4542	MIOA6058a	4598	MIOA6124a	4654	MIOA6197a	4710	MIOA6316a
4487	MIOA5985a	4543	MIOA6059a	4599	MIOA6125a	4655	MIOA6198a	4711	MIOA6317a
4488	MIOA5986a	4544	MIOA6060a	4600	MIOA6126a	4656	MIOA6199a	4712	MIOA6320a
4489	mioa5988a	4545	MIOA6061a	4601	MIOA6127a	4657	MIOA6200a	4713	MIOA6323a
4490	MIOA5989a	4546	MIOA6062	4602	MIOA6128a	4658	MIOA6202a	4714	MIOA6326a
4491	MIOA5990a	4547	MIOA6063a	4603	MIOA6129a	4659	MIOA6203a	4715	MIOA6328a
4492	MIOA5991a	4548	MIOA6064a	4604	MIOA6130a	4660	MIOA6204a	4716	mioa6332a
4493	MIOA5992a	4549	MIOA6065a	4605	MIOA6131a	4661	MIOA6205a	4717	MIOA6334a
4494	MIOA5993a	4550	mioa6066an	4606	MIOA6132a	4662	MIOA6206a	4718	MIOA6336a
4495	MIOA5994a	4551	MIOA6068a	4607	MIOA6133a	4663	MIOA6207a	4719	MIOA6340a
4496	MIOA5995a	4552	MIOA6069a	4608	MIOA6134a	4664	MIOA6208a	4720	MIOA6342a
4497	MIOA5996a	4553	MIOA6071a	4609	MIOA6135a	4665	MIOA6210a	4721	MIOA6346a
4498	MIOA5997a	4554	MIOA6072a	4610	MIOA6136a	4666	MIOA6211a	4722	mioa6355a
4499	MIOA5999a	4555	MIOA6075a	4611	mioa6142a	4667	MIOA6212a	4723	MIOA6356a
4500	MIOA6000a	4556	MIOA6076a	4612	MIOA6145a	4668	MIOA6214a	4724	MIOA6358a
4501	MIOA6003a	4557	MIOA6077a	4613	MIOA6147a	4669	MIOA6216a	4725	MIOA6360a
4502	MIOA6004a	4558	MIOA6078a	4614	MIOA6148a	4670	MIOA6220a	4726	MIOA6362a
4503	MIOA6005a	4559	MIOA6080a	4615	MIOA6149a	4671	MIOA6222a	4727	MIOA6363a
4504	MIOA6006a	4560	mioa6081a	4616	MIOA6150a	4672	MIOA6226a	4728	MIOA6364a
4505	MIOA6008a	4561	mioa6082an	4617	MIOA6151a	4673	MIOA6228a	4729	MIOA6368a
4506	MIOA6010a	4562	MIOA6083a	4618	MIOA6152a	4674	MIOA6230a	4730	MIOA6370a
4507	mioa6011a	4563	MIOA6084a	4619	MIOA6153a	4675	MIOA6232a	4731	MIOA6372a
4508	MIOA6014a	4564	MIOA6085a	4620	MIOA6154a	4676	MIOA6234a	4732	MIOA6374a
4509	MIOA6015a	4565	MIOA6086a	4621	MIOA6155a	4677	MIOA6236a	4733	MIOA6376a
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4511	MIOA6019a	4567	MIOA6088a	4623	MIOA6157a	4679	MIOA6240a	4735	MIOA6379a
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4513	MIOA6021a	4569	MIOA6090a	4625	MIOA6161a	4681	MIOA6244a	4737	mioa6387an
4514	MIOA6022a	4570	MIOA6091	4626	MIOA6162a	4682	mioa6246a	4738	MIOA6388a
4515	MIOA6023a	4571	MIOA6092	4627	MIOA6164a	4683	MIOA6248a	4739	MIOA6389a
4516	MIOA6024a	4572	MIOA6093a	4628	MIOA6165a	4684	MIOA6250a	4740	MIOA6392a
4517	MIOA6026a	4573	MIOA6094a	4629	MIOA6166a	4685	MIOA6251a	4741	MIOA6394a
4518	MIOA6027a	4574	MIOA6095a	4630	MIOA6167a	4686	MIOA6252a	4742	MIOA6398a
4519	MIOA6029a	4575	mioa6096a	4631	MIOA6168a	4687	MIOA6256a	4743	MIOA6401a
4520	MIOA6030	4576	MIOA6098a	4632	MIOA6169a	4688	MIOA6262a	4744	MIOA6402a
4521	MIOA6032	4577	MIOA6099a	4633	MIOA6170a	4689	MIOA6264a	4745	MIOA6403a
4522	MIOA6033	4578	MIOA6100a	4634	MIOA6171a	4690	mioa6266a	4746	MIOA6404a
4523	MIOA6034	4579	MIOA6101a	4635	MIOA6172a	4691	MIOA6268a	4747	MIOA6409a
4524	MIOA6035	4580	MIOA6102a	4636	MIOA6173a	4692	MIOA6270a	4748	MIOA6410a
4525	mioa6036	4581	MIOA6103a	4637	MIOA6174a	4693	MIOA6274a	4749	MIOA6411a
4526	MIOA6037	4582	MIOA6104a	4638	MIOA6175a	4694	MIOA6280a	4750	MIOA6412a
4527	MIOA6038	4583	MIOA6106a	4639	MIOA6178a	4695	MIOA6282a	4751	MIOA6413a
4528	MIOA6039	4584	MIOA6108a	4640	MIOA6179a	4696	MIOA6284a	4752	MIOA6417a
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4530	MIOA6041	4586	MIOA6110a	4642	MIOA6181a	4698	MIOA6290a	4754	MIOA6419a
4531	mioa6042n	4587	mioa6111a	4643	MIOA6182a	4699	MIOA6292a	4755	mioa6420a
4532	MIOA6043	4588	MIOA6112a	4644	MIOA6185a	4700	MIOA6294a	4756	MIOA6421a
4533	MIOA6044	4589	MIOA6113a	4645	MIOA6186a	4701	MIOA6296a	4757	MIOA6422a
4534	MIOA6045	4590	MIOA6114a	4646	MIOA6188a	4702	mioa6298a	4758	MIOA6423a
4535	MIOA6047a	4591	MIOA6115a	4647	mioa6189a	4703	MIOA6300a	4759	MIOA6424a
4536	mioa6048a	4592	MIOA6116a	4648	MIOA6190a	4704	MIOA6302a	4760	MIOA6425a

Figure 6D – Continued

4761	MIOA6426a	4817	MIOA6493a	4873	MIOA6568a	4929	MIOA6633a	4985	MIOA6708a
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4763	MIOA6428a	4819	MIOA6500a	4875	MIOA6570a	4931	MIOA6635a	4987	MIOA6711a
4764	MIOA6429a	4820	MIOA6501a	4876	MIOA6571a	4932	MIOA6637a	4988	MIOA6712a
4765	MIOA6430a	4821	MIOA6502a	4877	mioa6572a	4933	mioa6638a	4989	mioa6714a
4766	MIOA6431a	4822	MIOA6504a	4878	mioa6573a	4934	MIOA6639a	4990	MIOA6715a
4767	MIOA6432a	4823	MIOA6508a	4879	MIOA6574a	4935	MIOA6640a	4991	MIOA6716a
4768	MIOA6434a	4824	MIOA6509a	4880	MIOA6575a	4936	MIOA6641a	4992	MIOA6717a
4769	MIOA6435a	4825	MIOA6510a	4881	MIOA6576a	4937	MIOA6643a	4993	MIOA6718a
4770	MIOA6436a	4826	MIOA6511a	4882	MIOA6577a	4938	MIOA6644a	4994	MIOA6719a
4771	MIOA6437a	4827	mioa6512a	4883	MIOA6578a	4939	mioa6645a	4995	MIOA6720a
4772	MIOA6439a	4828	MIOA6513a	4884	MIOA6580a	4940	MIOA6646a	4996	MIOA6721a
4773	MIOA6440a	4829	mioa6514a	4885	MIOA6581a	4941	MIOA6647a	4997	MIOA6722a
4774	MIOA6441a	4830	mioa6515a	4886	MIOA6582a	4942	MIOA6648a	4998	MIOA6723a
4775	MIOA6442a	4831	MIOA6516a	4887	MIOA6583a	4943	MIOA6649a	4999	MIOA6724a
4776	MIOA6444a	4832	MIOA6517a	4888	MIOA6584a	4944	MIOA6651a	5000	MIOA6725a
4777	mioa6445a	4833	MIOA6519a	4889	MIOA6585a	4945	MIOA6652a	5001	MIOA6726a
4778	MIOA6446a	4834	mioa6520an	4890	MIOA6586a	4946	MIOA6653a	5002	mioa6727a
4779	MIOA6448a	4835	MIOA6521a	4891	MIOA6587a	4947	MIOA6654a	5003	MIOA6728a
4780	mioa6449a	4836	MIOA6523a	4892	MIOA6588a	4948	MIOA6655a	5004	MIOA6730a
4781	mioa6450a	4837	mioa6524a	4893	mioa6590a	4949	MIOA6656a	5005	MIOA6731a
4782	MIOA6451a	4838	MIOA6525a	4894	MIOA6591a	4950	MIOA6657a	5006	MIOA6732a
4783	MIOA6452a	4839	MIOA6526a	4895	mioa6593a	4951	MIOA6659a	5007	MIOA6733a
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4787	MIOA6456a	4843	MIOA6531a	4899	MIOA6597a	4955	MIOA6664a	5011	MIOA6737a
4788	mioa6457a	4844	MIOA6532a	4900	MIOA6598a	4956	mioa6665a	5012	MIOA6738a
4789	MIOA6458a	4845	MIOA6533a	4901	MIOA6599a	4957	MIOA6666a	5013	MIOA6739a
4790	MIOA6459a	4846	mioa6534an	4902	MIOA6600a	4958	MIOA6668a	5014	MIOA6740a
4791	MIOA6460a	4847	mioa6536a	4903	MIOA6601a	4959	MIOA6670a	5015	mioa6743an
4792	mioa6461a	4848	MIOA6537a	4904	MIOA6603a	4960	MIOA6672a	5016	MIOA6744a
4793	MIOA6463a	4849	MIOA6539a	4905	MIOA6604a	4961	MIOA6673a	5017	MIOA6745a
4794	MIOA6464a	4850	MIOA6540a	4906	MIOA6605a	4962	MIOA6674a	5018	MIOA6746a
4795	MIOA6465a	4851	MIOA6541a	4907	MIOA6606a	4963	MIOA6675a	5019	MIOA6749a
4796	MIOA6466a	4852	MIOA6542a	4908	MIOA6607a	4964	mioa6676a	5020	MIOA6750a
4797	MIOA6467a	4853	MIOA6543a	4909	MIOA6608a	4965	MIOA6677a	5021	MIOA6756a
4798	MIOA6469a	4854	MIOA6544a	4910	MIOA6609a	4966	MIOA6678a	5022	MIOA6759a
4799	MIOA6471a	4855	MIOA6545a	4911	MIOA6610a	4967	MIOA6679a	5023	MIOA6762a
4800	MIOA6472a	4856	MIOA6546a	4912	MIOA6612a	4968	MIOA6680a	5024	MIOA6763a
4801	MIOA6474a	4857	MIOA6547a	4913	MIOA6613a	4969	MIOA6681a	5025	MIOA6765a
4802	MIOA6475a	4858	mioa6549an	4914	mioa6616a	4970	MIOA6683a	5026	MIOA6766a
4803	MIOA6476a	4859	MIOA6550a	4915	MIOA6619a	4971	MIOA6684a	5027	MIOA6767a
4804	MIOA6477a	4860	mioa6551a	4916	MIOA6620a	4972	MIOA6687a	5028	MIOA6768a
4805	MIOA6478a	4861	MIOA6552a	4917	MIOA6621a	4973	MIOA6688a	5029	mioa6770an
4806	mioa6480a	4862	MIOA6553a	4918	MIOA6622a	4974	MIOA6690a	5030	MIOA6771a
4807	MIOA6483a	4863	MIOA6554a	4919	MIOA6623a	4975	mioa6691a	5031	MIOA6772a
4808	MIOA6484a	4864	MIOA6556a	4920	MIOA6624a	4976	MIOA6697a	5032	MIOA6773a
4809	MIOA6485a	4865	MIOA6558a	4921	mioa6625a	4977	MIOA6698a	5033	MIOA6774a
4810	MIOA6486a	4866	MIOA6560a	4922	MIOA6626a	4978	MIOA6700a	5034	MIOA6775a
4811	MIOA6487a	4867	MIOA6561a	4923	MIOA6627a	4979	MIOA6701a	5035	MIOA6776a
4812	MIOA6488a	4868	MIOA6562a	4924	MIOA6628a	4980	mioa6702a	5036	MIOA6777a
4813	MIOA6489a	4869	MIOA6563a	4925	mioa6629a	4981	MIOA6703a	5037	MIOA6778a
4814	MIOA6490a	4870	MIOA6565a	4926	MIOA6630a	4982	MIOA6704a	5038	mioa6779a
4815	MIOA6491a	4871	MIOA6566a	4927	MIOA6631a	4983	mioa6705an	5039	MIOA6780a
4816	MIOA6492a	4872	MIOA6567a	4928	MIOA6632a	4984	MIOA6706a	5040	MIOA6781a

Figure 6D – Continued

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5042	MIOA6783a	5098	MIOA6851a	5154	MIOA6948a	5210	MIOA7037a	5266	mioa7115an
5043	MIOA6784a	5099	MIOA6853a	5155	MIOA6949a	5211	MIOA7038a	5267	MIOA7116a
5044	mioa6786a	5100	MIOA6854a	5156	MIOA6951a	5212	MIOA7039a	5268	MIOA7118a
5045	MIOA6790a	5101	MIOA6855a	5157	MIOA6953a	5213	MIOA7040a	5269	mioa7119a
5046	MIOA6791a	5102	mioa6856a	5158	MIOA6955a	5214	MIOA7041a	5270	MIOA7120a
5047	mioa6792an	5103	mioa6858an	5159	MIOA6956a	5215	MIOA7042a	5271	MIOA7121a
5048	MIOA6794a	5104	MIOA6860a	5160	MIOA6957a	5216	MIOA7045a	5272	MIOA7123a
5049	mioa6795a	5105	MIOA6862a	5161	MIOA6959a	5217	MIOA7046a	5273	MIOA7125a
5050	MIOA6797a	5106	MIOA6864a	5162	MIOA6960a	5218	MIOA7047a	5274	MIOA7126a
5051	MIOA6798a	5107	MIOA6865a	5163	MIOA6961a	5219	MIOA7048a	5275	MIOA7127a
5052	MIOA6799a	5108	MIOA6866a	5164	MIOA6962a	5220	MIOA7049a	5276	mioa7128a
5053	mioa6800a	5109	MIOA6867a	5165	MIOA6964a	5221	MIOA7050a	5277	MIOA7129a
5054	mioa6801a	5110	MIOA6869a	5166	mioa6965a	5222	mioa7051a	5278	MIOA7130a
5055	MIOA6802a	5111	MIOA6870a	5167	MIOA6967a	5223	MIOA7058a	5279	MIOA7132a
5056	MIOA6803a	5112	MIOA6874a	5168	MIOA6969a	5224	MIOA7059a	5280	MIOA7133a
5057	MIOA6804a	5113	MIOA6875a	5169	MIOA6978a	5225	MIOA7060a	5281	MIOA7134a
5058	MIOA6805a	5114	MIOA6877a	5170	MIOA6979a	5226	MIOA7063a	5282	mioa7136a
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5060	MIOA6807a	5116	MIOA6879a	5172	MIOA6981a	5228	MIOA7067a	5284	MIOA7138a
5061	MIOA6808a	5117	MIOA6880a	5173	MIOA6982a	5229	MIOA7068a	5285	MIOA7139a
5062	MIOA6809a	5118	MIOA6881a	5174	MIOA6983a	5230	MIOA7069a	5286	MIOA7140a
5063	MIOA6810a	5119	mioa6882an	5175	mioa6984a	5231	MIOA7070a	5287	MIOA7141a
5064	MIOA6811a	5120	mioa6883a	5176	MIOA6986a	5232	MIOA7071a	5288	MIOA7142a
5065	mioa6812a	5121	MIOA6885a	5177	MIOA6987a	5233	MIOA7072a	5289	MIOA7147a
5066	mioa6813a	5122	MIOA6886a	5178	MIOA6988a	5234	MIOA7073a	5290	MIOA7148a
5067	MIOA6814a	5123	mioa6887a	5179	MIOA6989a	5235	MIOA7075a	5291	MIOA7149a
5068	MIOA6815a	5124	MIOA6888a	5180	MIOA6990a	5236	MIOA7077a	5292	MIOA7150a
5069	MIOA6816a	5125	MIOA6889a	5181	MIOA6991a	5237	mioa7078a	5293	MIOA7151a
5070	MIOA6818a	5126	MIOA6891a	5182	mioa6994a	5238	MIOA7079a	5294	MIOA7152a
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5072	MIOA6820a	5128	MIOA6894a	5184	MIOA6999a	5240	MIOA7082a	5296	MIOA7154a
5073	MIOA6821a	5129	MIOA6896a	5185	MIOA7000a	5241	MIOA7084a	5297	MIOA7155a
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5075	MIOA6823a	5131	MIOA6898a	5187	MIOA7003a	5243	MIOA7088a	5299	MIOA7158a
5076	MIOA6824a	5132	MIOA6899a	5188	MIOA7005a	5244	MIOA7089a	5300	MIOA7162a
5077	MIOA6825a	5133	MIOA6901a	5189	MIOA7006a	5245	mioa7090a	5301	mioa7163a
5078	MIOA6826a	5134	MIOA6903a	5190	MIOA7007a	5246	MIOA7091a	5302	MIOA7165a
5079	MIOA6827a	5135	MIOA6904a	5191	MIOA7008a	5247	MIOA7092a	5303	MIOA7166a
5080	MIOA6828a	5136	MIOA6908a	5192	MIOA7009a	5248	MIOA7093a	5304	MIOA7169a
5081	MIOA6830a	5137	MIOA6913a	5193	MIOA7010a	5249	MIOA7094a	5305	MIOA7170a
5082	MIOA6831a	5138	MIOA6914a	5194	MIOA7011a	5250	MIOA7095a	5306	MIOA7173a
5083	MIOA6832a	5139	MIOA6916a	5195	mioa7012a	5251	MIOA7096a	5307	MIOA7174a
5084	MIOA6833a	5140	MIOA6918a	5196	MIOA7013a	5252	MIOA7097a	5308	MIOA7175a
5085	MIOA6834a	5141	MIOA6922a	5197	MIOA7014a	5253	MIOA7099a	5309	MIOA7177a
5086	MIOA6835a	5142	MIOA6923a	5198	MIOA7015a	5254	MIOA7101a	5310	MIOA7178a
5087	mioa6836a	5143	MIOA6928a	5199	MIOA7018a	5255	MIOA7102a	5311	MIOA7179a
5088	mioa6838an	5144	MIOA6929a	5200	MIOA7019a	5256	MIOA7103a	5312	MIOA7180a
5089	MIOA6839a	5145	MIOA6930a	5201	MIOA7020a	5257	MIOA7104a	5313	MIOA7181a
5090	MIOA6840a	5146	MIOA6933a	5202	MIOA7022a	5258	MIOA7105a	5314	MIOA7182a
5091	MIOA6841a	5147	MIOA6934a	5203	MIOA7024a	5259	MIOA7107a	5315	MIOA7183a
5092	MIOA6842a	5148	MIOA6937a	5204	MIOA7026a	5260	MIOA7108a	5316	mioa7184a
5093	MIOA6843a	5149	MIOA6942a	5205	MIOA7027a	5261	MIOA7109a	5317	MIOA7186a
5094	MIOA6844a	5150	MIOA6943a	5206	mioa7028a	5262	MIOA7110a	5318	MIOA7187a
5095	MIOA6845a	5151	MIOA6944a	5207	MIOA7031a	5263	MIOA7111a	5319	MIOA7188a
5096	MIOA6846a	5152	MIOA6945a	5208	MIOA7034a	5264	MIOA7113a	5320	MIOA7189a

Figure 6D – Continued

5321	MIOA7190a	5377	mioa7254a	5433	MIOA7320	5489	MIOA7401a	5545	MIOA7472a
5322	MIOA7191a	5378	MIOA7255a	5434	MIOA7322	5490	MIOA7402a	5546	MIOA7474a
5323	MIOA7192a	5379	MIOA7256a	5435	MIOA7323	5491	MIOA7403a	5547	MIOA7476a
5324	MIOA7193a	5380	MIOA7257a	5436	MIOA7324	5492	MIOA7404a	5548	MIOA7478a
5325	MIOA7194a	5381	MIOA7258a	5437	mioa7325	5493	MIOA7405a	5549	MIOA7479a
5326	MIOA7195a	5382	MIOA7259a	5438	MIOA7326	5494	MIOA7406a	5550	MIOA7480a
5327	mioa7196a	5383	MIOA7260a	5439	MIOA7327	5495	MIOA7407a	5551	MIOA7481a
5328	MIOA7197a	5384	MIOA7261a	5440	MIOA7328	5496	MIOA7408a	5552	MIOA7482a
5329	mioa7198a	5385	MIOA7262a	5441	MIOA7331	5497	MIOA7409a	5553	MIOA7484a
5330	MIOA7200a	5386	MIOA7263a	5442	MIOA7333a	5498	MIOA7411a	5554	MIOA7485a
5331	MIOA7201a	5387	MIOA7264a	5443	MIOA7334a	5499	MIOA7412a	5555	MIOA7487a
5332	MIOA7202a	5388	MIOA7265a	5444	MIOA7335a	5500	MIOA7413a	5556	MIOA7488a
5333	MIOA7204a	5389	MIOA7266a	5445	MIOA7336a	5501	MIOA7414a	5557	MIOA7489a
5334	MIOA7205a	5390	MIOA7267a	5446	MIOA7337a	5502	MIOA7415a	5558	MIOA7490a
5335	MIOA7206a	5391	MIOA7269a	5447	MIOA7338a	5503	MIOA7416a	5559	MIOA7493a
5336	MIOA7207a	5392	mioa7270a	5448	MIOA7339a	5504	MIOA7417a	5560	mioa7494an
5337	MIOA7208a	5393	MIOA7271	5449	MIOA7341a	5505	MIOA7418a	5561	MIOA7495a
5338	MIOA7209a	5394	MIOA7272	5450	MIOA7344a	5506	MIOA7419a	5562	MIOA7497a
5339	MIOA7211a	5395	MIOA7273	5451	MIOA7345a	5507	MIOA7420a	5563	MIOA7498a
5340	MIOA7212a	5396	MIOA7274	5452	MIOA7346a	5508	MIOA7421a	5564	MIOA7499a
5341	MIOA7214a	5397	MIOA7275	5453	MIOA7347a	5509	MIOA7422a	5565	MIOA7500a
5342	MIOA7215a	5398	MIOA7277	5454	MIOA7348a	5510	MIOA7423a	5566	MIOA7501a
5343	MIOA7216a	5399	MIOA7278	5455	MIOA7350a	5511	MIOA7424a	5567	MIOA7502a
5344	MIOA7218a	5400	mioa7279	5456	MIOA7351a	5512	MIOA7425a	5568	MIOA7503a
5345	MIOA7219a	5401	MIOA7280	5457	MIOA7352a	5513	MIOA7426a	5569	MIOA7506a
5346	mioa7220a	5402	MIOA7283	5458	MIOA7353a	5514	MIOA7427a	5570	MIOA7508a
5347	MIOA7223a	5403	MIOA7284	5459	mioa7354a	5515	MIOA7428a	5571	mioa7509a
5348	MIOA7224a	5404	MIOA7285	5460	MIOA7357a	5516	MIOA7429a	5572	MIOA7510a
5349	MIOA7225a	5405	MIOA7286	5461	MIOA7359a	5517	MIOA7430a	5573	MIOA7512a
5350	MIOA7226a	5406	mioa7287	5462	MIOA7361a	5518	MIOA7432a	5574	MIOA7513a
5351	MIOA7227a	5407	MIOA7288	5463	MIOA7362a	5519	MIOA7433a	5575	MIOA7514a
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5353	MIOA7230a	5409	MIOA7290	5465	MIOA7364a	5521	MIOA7436a	5577	MIOA7516a
5354	MIOA7231a	5410	MIOA7291	5466	MIOA7365a	5522	MIOA7437a	5578	MIOA7518a
5355	MIOA7232a	5411	MIOA7295	5467	MIOA7366a	5523	MIOA7438a	5579	MIOA7519a
5356	MIOA7233a	5412	MIOA7296	5468	MIOA7367a	5524	MIOA7441a	5580	MIOA7520a
5357	mioa7234a	5413	MIOA7297	5469	MIOA7368a	5525	MIOA7442a	5581	MIOA7521a
5358	MIOA7235a	5414	MIOA7298	5470	MIOA7371a	5526	MIOA7443a	5582	MIOA7522a
5359	MIOA7236a	5415	MIOA7299	5471	MIOA7372a	5527	MIOA7444a	5583	MIOA7523a
5360	MIOA7237a	5416	MIOA7300	5472	MIOA7373a	5528	mioa7445a	5584	MIOA7526a
5361	mioa7238a	5417	MIOA7301	5473	MIOA7374a	5529	MIOA7446a	5585	MIOA7527a
5362	MIOA7239a	5418	MIOA7302	5474	MIOA7375a	5530	MIOA7447a	5586	mioa7529an
5363	MIOA7240a	5419	MIOA7303	5475	MIOA7377a	5531	MIOA7448a	5587	MIOA7530a
5364	MIOA7241a	5420	MIOA7306	5476	MIOA7378a	5532	MIOA7451a	5588	MIOA7531a
5365	MIOA7242a	5421	MIOA7307	5477	MIOA7381a	5533	MIOA7452a	5589	MIOA7532a
5366	MIOA7243a	5422	MIOA7308	5478	MIOA7382a	5534	mioa7453a	5590	MIOA7533a
5367	mioa7244a	5423	MIOA7309	5479	MIOA7383a	5535	MIOA7454a	5591	MIOA7534a
5368	MIOA7245a	5424	MIOA7310	5480	MIOA7385a	5536	MIOA7455a	5592	MIOA7536a
5369	MIOA7246a	5425	mioa7312	5481	mioa7386a	5537	MIOA7456a	5593	mioa7537a
5370	MIOA7247a	5426	MIOA7313	5482	MIOA7387a	5538	MIOA7457a	5594	MIOA7538a
5371	MIOA7248a	5427	MIOA7314	5483	MIOA7388a	5539	mioa7458a	5595	MIOA7539a
5372	MIOA7249a	5428	MIOA7315	5484	MIOA7390a	5540	MIOA7459a	5596	MIOA7541a
5373	MIOA7250a	5429	MIOA7316	5485	MIOA7392a	5541	MIOA7461a	5597	MIOA7542a
5374	MIOA7251a	5430	MIOA7317	5486	MIOA7395a	5542	MIOA7465a	5598	MIOA7543a
5375	MIOA7252a	5431	MIOA7318	5487	MIOA7399a	5543	mioa7466an	5599	MIOA7544a
5376	mioa7253a	5432	MIOA7319	5488	MIOA7400a	5544	MIOA7467a	5600	MIOA7545a

Figure 6D – Continued

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5603	MIOA7549a	5659	MIOA7623a	5715	mioa7706a	5771	mioa7801a	5827	mioa7870
5604	MIOA7550a	5660	MIOA7624a	5716	mioa7707a	5772	mioa7803a	5828	mioa7873
5605	MIOA7553a	5661	MIOA7625a	5717	mioa7708a	5773	mioa7804a	5829	mioa7874
5606	MIOA7554a	5662	MIOA7628a	5718	mioa7709a	5774	mioa7805a	5830	mioa7875
5607	MIOA7555a	5663	MIOA7629a	5719	mioa7710a	5775	mioa7806a	5831	mioa7876
5608	MIOA7556a	5664	MIOA7630a	5720	mioa7711a	5776	mioa7807a	5832	mioa7878
5609	MIOA7558a	5665	MIOA7631a	5721	mioa7713a	5777	mioa7808a	5833	mioa7879
5610	MIOA7559a	5666	MIOA7632a	5722	mioa7714a	5778	mioa7809a	5834	mioa7880
5611	MIOA7560a	5667	mioa7636a	5723	mioa7715a	5779	mioa7810a	5835	mioa7881
5612	MIOA7561a	5668	mioa7637a	5724	mioa7716a	5780	mioa7812a	5836	mioa7882
5613	MIOA7562a	5669	mioa7639a	5725	mioa7717a	5781	mioa7813a	5837	mioa7883
5614	MIOA7564a	5670	mioa7640a	5726	mioa7718a	5782	mioa7814a	5838	mioa7884
5615	MIOA7565a	5671	mioa7641a	5727	mioa7719a	5783	mioa7815a	5839	mioa7885
5616	MIOA7566a	5672	mioa7642a	5728	mioa7720a	5784	mioa7816a	5840	mioa7886
5617	MIOA7568a	5673	mioa7643a	5729	mioa7721a	5785	mioa7817a	5841	mioa7887
5618	MIOA7569a	5674	mioa7644a	5730	mioa7722a	5786	mioa7818a	5842	mioa7888
5619	MIOA7570a	5675	mioa7645a	5731	mioa7723a	5787	mioa7819a	5843	mioa7889
5620	mioa7571a	5676	mioa7646a	5732	mioa7725a	5788	mioa7820a	5844	mioa7890
5621	MIOA7572a	5677	mioa7647a	5733	mioa7727a	5789	mioa7821a	5845	mioa7891
5622	MIOA7573a	5678	mioa7649a	5734	mioa7728a	5790	mioa7823a	5846	mioa7892
5623	MIOA7574a	5679	mioa7650a	5735	mioa7730a	5791	mioa7824a	5847	mioa7893
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5626	MIOA7579a	5682	mioa7654a	5738	mioa7733a	5794	mioa7827a	5850	mioa7896
5627	MIOA7581a	5683	mioa7656a	5739	mioa7735a	5795	mioa7829a	5851	mioa7897
5628	MIOA7582a	5684	mioa7657a	5740	mioa7736a	5796	mioa7830a	5852	mioa7898
5629	MIOA7583a	5685	mioa7659a	5741	mioa7737a	5797	mioa7831a	5853	mioa7899
5630	MIOA7584a	5686	mioa7660a	5742	mioa7738a	5798	mioa7832a	5854	mioa7900
5631	MIOA7585a	5687	mioa7661a	5743	mioa7739a	5799	mioa7835a	5855	mioa7901
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5633	MIOA7587a	5689	mioa7670a	5745	mioa7741a	5801	mioa7838a	5857	mioa7905
5634	MIOA7588a	5690	mioa7671a	5746	mioa7745a	5802	mioa7839a	5858	mioa7906
5635	MIOA7589a	5691	mioa7672a	5747	mioa7746a	5803	mioa7840a	5859	mioa7907
5636	MIOA7590a	5692	mioa7673a	5748	mioa7754a	5804	mioa7841a	5860	mioa7908
5637	MIOA7592a	5693	mioa7677a	5749	mioa7755a	5805	mioa7842a	5861	mioa7909
5638	MIOA7593a	5694	mioa7678a	5750	mioa7757a	5806	mioa7843a	5862	mioa7910
5639	MIOA7594a	5695	mioa7679a	5751	mioa7758a	5807	mioa7844a	5863	mioa7911
5640	MIOA7596a	5696	mioa7681a	5752	mioa7762a	5808	mioa7845a	5864	mioa7913
5641	MIOA7597a	5697	mioa7682a	5753	mioa7763a	5809	mioa7846a	5865	mioa7915
5642	MIOA7598a	5698	mioa7684a	5754	mioa7766a	5810	mioa7848	5866	mioa7916
5643	mioa7600a	5699	mioa7685a	5755	mioa7767a	5811	mioa7849	5867	mioa7917
5644	MIOA7602a	5700	mioa7687a	5756	mioa7768a	5812	mioa7852	5868	mioa7918
5645	MIOA7603a	5701	mioa7688a	5757	mioa7772a	5813	mioa7854	5869	mioa7919
5646	MIOA7604a	5702	mioa7692a	5758	mioa7773a	5814	mioa7855	5870	mioa7920
5647	MIOA7606a	5703	mioa7693a	5759	mioa7775a	5815	mioa7856	5871	mioa7922
5648	MIOA7607a	5704	mioa7694a	5760	mioa7776a	5816	mioa7857	5872	mioa7923
5649	MIOA7608a	5705	mioa7695a	5761	mioa7780a	5817	mioa7858	5873	mioa7924
5650	MIOA7609a	5706	mioa7696a	5762	mioa7783a	5818	mioa7859	5874	mioa7927
5651	MIOA7610a	5707	mioa7698a	5763	mioa7788a	5819	mioa7860	5875	mioa7928
5652	MIOA7611a	5708	mioa7699a	5764	mioa7789a	5820	mioa7861	5876	mioa7929
5653	MIOA7612a	5709	mioa7700a	5765	mioa7790a	5821	mioa7862	5877	mioa7930
5654	MIOA7613a	5710	mioa7701a	5766	mioa7791a	5822	mioa7864	5878	mioa7931
5655	MIOA7617a	5711	mioa7702a	5767	mioa7794a	5823	mioa7866	5879	mioa7932
5656	MIOA7618a	5712	mioa7703a	5768	mioa7798a	5824	mioa7867	5880	mioa7933

Figure 6D – Continued

5881	mioa7934	5937	MIOA8024a	5993	mioa8094	6049	MIOA8163	6105	MIOA8230
5882	mioa7935	5938	MIOA8025a	5994	MIOA8095	6050	MIOA8164	6106	MIOA8232
5883	mioa7936	5939	MIOA8026a	5995	MIOA8096	6051	MIOA8165	6107	MIOA8233
5884	mioa7937	5940	MIOA8027a	5996	MIOA8097	6052	mioa8166	6108	MIOA8235
5885	mioa7943	5941	MIOA8028a	5997	MIOA8099	6053	MIOA8167	6109	MIOA8236
5886	mioa7946	5942	MIOA8029a	5998	MIOA8100	6054	mioa8168	6110	MIOA8237
5887	MIOA7949a	5943	MIOA8030a	5999	MIOA8101	6055	MIOA8169	6111	MIOA8238
5888	MIOA7950a	5944	MIOA8031a	6000	MIOA8102	6056	MIOA8170	6112	MIOA8239
5889	MIOA7951a	5945	MIOA8032a	6001	MIOA8103	6057	MIOA8171	6113	MIOA8241
5890	MIOA7953a	5946	MIOA8033a	6002	mioa8104	6058	MIOA8173	6114	MIOA8242
5891	MIOA7954a	5947	MIOA8034a	6003	MIOA8105	6059	mioa8174	6115	mioa8243
5892	MIOA7955a	5948	MIOA8035a	6004	MIOA8106	6060	MIOA8175	6116	MIOA8244
5893	MIOA7956a	5949	MIOA8036a	6005	MIOA8107	6061	MIOA8176	6117	MIOA8245
5894	MIOA7957a	5950	MIOA8037a	6006	MIOA8108	6062	MIOA8177	6118	MIOA8246
5895	MIOA7958a	5951	MIOA8039a	6007	MIOA8109	6063	mioa8179	6119	MIOA8247
5896	MIOA7959a	5952	MIOA8040a	6008	MIOA8110	6064	MIOA8181	6120	MIOA8248
5897	MIOA7967a	5953	MIOA8041a	6009	MIOA8111	6065	MIOA8182	6121	MIOA8251
5898	MIOA7968a	5954	MIOA8043a	6010	MIOA8112	6066	MIOA8183	6122	MIOA8252
5899	MIOA7969a	5955	MIOA8045a	6011	MIOA8113	6067	mioa8184	6123	MIOA8255
5900	MIOA7970a	5956	MIOA8048a	6012	MIOA8115	6068	MIOA8185	6124	MIOA8258
5901	MIOA7973a	5957	MIOA8049a	6013	MIOA8116	6069	MIOA8186	6125	mioa8259
5902	MIOA7976a	5958	MIOA8050a	6014	mioa8117	6070	MIOA8187	6126	MIOA8261
5903	MIOA7977a	5959	MIOA8051a	6015	MIOA8118	6071	MIOA8188	6127	MIOA8262
5904	MIOA7980a	5960	MIOA8053a	6016	MIOA8120	6072	MIOA8191	6128	MIOA8263
5905	MIOA7981a	5961	mioa8056a	6017	MIOA8121	6073	MIOA8192	6129	MIOA8264
5906	MIOA7982a	5962	MIOA8057a	6018	MIOA8122	6074	MIOA8193	6130	MIOA8266
5907	MIOA7983a	5963	MIOA8058a	6019	MIOA8123	6075	MIOA8196	6131	MIOA8267
5908	MIOA7986a	5964	MIOA8059a	6020	MIOA8124	6076	MIOA8198	6132	MIOA8269
5909	MIOA7988a	5965	MIOA8062a	6021	MIOA8125	6077	mioa8199n	6133	mioa8271
5910	MIOA7989a	5966	MIOA8063a	6022	MIOA8126	6078	MIOA8200	6134	MIOA8272
5911	mioa7990an	5967	MIOA8064a	6023	MIOA8127	6079	MIOA8201	6135	MIOA8273
5912	MIOA7992a	5968	MIOA8065a	6024	MIOA8128	6080	MIOA8202	6136	MIOA8274
5913	MIOA7993a	5969	MIOA8066	6025	MIOA8129	6081	mioa8203n	6137	MIOA8275
5914	MIOA7994a	5970	MIOA8067	6026	MIOA8130	6082	MIOA8204	6138	MIOA8276
5915	MIOA7995a	5971	mioa8068n	6027	MIOA8131	6083	MIOA8205	6139	MIOA8282
5916	MIOA7997a	5972	MIOA8069	6028	MIOA8134	6084	MIOA8206	6140	MIOA8283
5917	MIOA7998a	5973	MIOA8070	6029	MIOA8135	6085	MIOA8208	6141	MIOA8284
5918	MIOA8001a	5974	MIOA8071	6030	mioa8136	6086	MIOA8209	6142	mioa8286
5919	MIOA8002a	5975	MIOA8072	6031	MIOA8144	6087	MIOA8210	6143	mioa8287n
5920	MIOA8003a	5976	MIOA8073	6032	MIOA8146	6088	MIOA8211	6144	mioa8288
5921	MIOA8004a	5977	MIOA8074	6033	MIOA8147	6089	MIOA8213	6145	MIOA8289
5922	MIOA8005a	5978	MIOA8075	6034	MIOA8148	6090	mioa8214	6146	MIOA8290
5923	MIOA8007a	5979	MIOA8076	6035	MIOA8149	6091	MIOA8215	6147	MIOA8291
5924	MIOA8009a	5980	MIOA8077	6036	MIOA8150	6092	MIOA8216	6148	mioa8294n
5925	mioa8010a	5981	MIOA8078	6037	MIOA8151	6093	MIOA8218	6149	mioa8296n
5926	MIOA8011a	5982	mioa8079	6038	MIOA8152	6094	MIOA8219	6150	MIOA8297
5927	MIOA8012a	5983	MIOA8080	6039	MIOA8153	6095	MIOA8220	6151	mioa8298n
5928	MIOA8013a	5984	MIOA8081	6040	MIOA8154	6096	MIOA8221	6152	MIOA8299
5929	MIOA8014a	5985	MIOA8082	6041	MIOA8155	6097	MIOA8222	6153	MIOA8300
5930	MIOA8015a	5986	MIOA8083	6042	MIOA8156	6098	MIOA8223	6154	mioa8301n
5931	MIOA8016a	5987	MIOA8084	6043	MIOA8157	6099	MIOA8224	6155	MIOA8302
5932	MIOA8018a	5988	MIOA8085	6044	mioa8158	6100	MIOA8225	6156	MIOA8303
5933	MIOA8019a	5989	MIOA8088	6045	MIOA8159	6101	mioa8226	6157	MIOA8304
5934	MIOA8020a	5990	MIOA8089	6046	MIOA8160	6102	MIOA8227	6158	MIOA8305
5935	MIOA8021a	5991	MIOA8090	6047	MIOA8161	6103	MIOA8228	6159	MIOA8307
5936	MIOA8022a	5992	MIOA8092	6048	MIOA8162	6104	MIOA8229	6160	MIOA8308

Figure 6D – Continued

6161	MIOA8309	6217	mioa8381	6273	mioa8464	6329	MIOA8535	6385	MIOA8600
6162	MIOA8310	6218	MIOA8383	6274	MIOA8465	6330	MIOA8536	6386	MIOA8601
6163	MIOA8311	6219	mioa8384	6275	MIOA8466	6331	MIOA8538	6387	MIOA8602
6164	MIOA8313	6220	mioa8385	6276	mioa8467	6332	MIOA8539	6388	MIOA8603
6165	MIOA8314	6221	MIOA8386	6277	MIOA8468	6333	MIOA8541	6389	MIOA8604
6166	MIOA8315	6222	MIOA8387	6278	MIOA8469	6334	MIOA8542	6390	MIOA8606
6167	MIOA8316	6223	mioa8388	6279	mioa8470	6335	MIOA8543	6391	MIOA8607
6168	MIOA8317	6224	mioa8389	6280	mioa8471n	6336	mioa8544	6392	MIOA8608
6169	MIOA8318	6225	mioa8391	6281	MIOA8472	6337	MIOA8545	6393	MIOA8611
6170	MIOA8320	6226	MIOA8392	6282	MIOA8473	6338	MIOA8546	6394	MIOA8613
6171	mioa8323	6227	mioa8393	6283	mioa8474	6339	MIOA8547	6395	MIOA8615
6172	mioa8324	6228	MIOA8394	6284	MIOA8476	6340	MIOA8548	6396	MIOA8617
6173	mioa8326n	6229	MIOA8395	6285	MIOA8477	6341	MIOA8549	6397	MIOA8618
6174	MIOA8327	6230	MIOA8396	6286	MIOA8478	6342	MIOA8550	6398	MIOA8620
6175	MIOA8328	6231	mioa8397a	6287	mioa8481	6343	MIOA8551	6399	MIOA8621
6176	MIOA8329	6232	MIOA8398	6288	MIOA8482	6344	MIOA8552	6400	MIOA8622
6177	mioa8330n	6233	MIOA8399	6289	mioa8483	6345	MIOA8553	6401	MIOA8624
6178	MIOA8331	6234	mioa8403	6290	MIOA8484	6346	MIOA8557	6402	MIOA8625
6179	mioa8332	6235	MIOA8404	6291	MIOA8485	6347	MIOA8558	6403	MIOA8627
6180	MIOA8333	6236	MIOA8405	6292	MIOA8486	6348	MIOA8559	6404	MIOA8629
6181	MIOA8334	6237	MIOA8407	6293	MIOA8487	6349	MIOA8560	6405	MIOA8630
6182	MIOA8335	6238	MIOA8408	6294	MIOA8488	6350	MIOA8561	6406	MIOA8631
6183	mioa8336	6239	MIOA8409	6295	MIOA8489	6351	MIOA8563	6407	MIOA8632
6184	MIOA8337	6240	MIOA8416	6296	mioa8491n	6352	MIOA8564	6408	MIOA8634
6185	MIOA8338	6241	MIOA8417	6297	MIOA8494	6353	MIOA8565	6409	MIOA8635
6186	MIOA8339	6242	MIOA8418	6298	MIOA8495	6354	MIOA8566	6410	MIOA8637
6187	MIOA8341	6243	MIOA8421	6299	MIOA8497	6355	mioa8567	6411	MIOA8638
6188	MIOA8343	6244	MIOA8422	6300	MIOA8498	6356	MIOA8568	6412	MIOA8639
6189	mioa8345n	6245	MIOA8423	6301	MIOA8499	6357	MIOA8569	6413	MIOA8641
6190	MIOA8346	6246	MIOA8428	6302	MIOA8500	6358	mioa8570	6414	MIOA8644
6191	MIOA8347	6247	MIOA8429	6303	MIOA8501	6359	MIOA8571	6415	MIOA8645
6192	MIOA8348	6248	MIOA8432	6304	MIOA8502	6360	MIOA8572	6416	MIOA8646
6193	MIOA8349	6249	MIOA8433	6305	MIOA8503	6361	MIOA8573	6417	MIOA8647
6194	MIOA8350	6250	mioa8434	6306	mioa8506n	6362	MIOA8574	6418	MIOA8648
6195	MIOA8351	6251	MIOA8435	6307	MIOA8507	6363	MIOA8576	6419	MIOA8649
6196	mioa8352n	6252	MIOA8437	6308	mioa8508	6364	MIOA8577	6420	MIOA8650
6197	MIOA8353	6253	MIOA8438	6309	MIOA8509	6365	MIOA8578	6421	MIOA8651
6198	MIOA8354	6254	MIOA8439	6310	MIOA8510	6366	MIOA8580	6422	MIOA8652
6199	MIOA8355	6255	MIOA8440	6311	MIOA8511	6367	MIOA8581	6423	MIOA8653
6200	MIOA8356	6256	mioa8443n	6312	MIOA8512	6368	MIOA8582	6424	MIOA8655
6201	MIOA8359	6257	MIOA8444	6313	mioa8513n	6369	MIOA8583	6425	MIOA8656
6202	MIOA8360	6258	mioa8445n	6314	MIOA8515	6370	MIOA8584	6426	MIOA8657
6203	MIOA8361	6259	MIOA8446	6315	mioa8516	6371	mioa8585	6427	MIOA8658
6204	MIOA8363	6260	MIOA8447	6316	MIOA8517	6372	MIOA8586	6428	MIOA8660
6205	mioa8364n	6261	MIOA8449	6317	MIOA8518	6373	MIOA8587	6429	mioa8661
6206	MIOA8365	6262	MIOA8451	6318	MIOA8520	6374	MIOA8588	6430	mioa8662
6207	MIOA8366	6263	MIOA8452	6319	MIOA8521	6375	MIOA8589	6431	MIOA8663
6208	MIOA8367	6264	MIOA8453	6320	MIOA8522	6376	MIOA8590	6432	MIOA8664
6209	MIOA8368	6265	MIOA8454	6321	MIOA8523	6377	MIOA8591	6433	MIOA8665
6210	mioa8369n	6266	MIOA8455	6322	MIOA8524	6378	MIOA8592	6434	MIOA8666
6211	MIOA8371	6267	MIOA8456	6323	MIOA8525	6379	MIOA8594	6435	MIOA8667
6212	MIOA8374	6268	MIOA8457	6324	MIOA8526	6380	MIOA8595	6436	MIOA8668
6213	MIOA8376	6269	MIOA8460	6325	MIOA8529	6381	MIOA8596	6437	MIOA8669
6214	MIOA8377	6270	mioa8461n	6326	MIOA8531	6382	MIOA8597	6438	MIOA8670
6215	MIOA8378	6271	MIOA8462	6327	MIOA8532	6383	MIOA8598	6439	MIOA8671
6216	MIOA8380	6272	MIOA8463	6328	MIOA8533	6384	MIOA8599	6440	MIOA8672

Figure 6D – Continued

6441	MIOA8674	6497	MIOA8742	6553	MIOA8809	6609	MIOA8874	6665	MIOA8943
6442	MIOA8675	6498	MIOA8743	6554	MIOA8810	6610	MIOA8875	6666	MIOA8945
6443	MIOA8676	6499	MIOA8744	6555	MIOA8811	6611	MIOA8876	6667	MIOA8946
6444	MIOA8677	6500	mioa8745	6556	MIOA8812	6612	MIOA8877	6668	MIOA8947
6445	MIOA8678	6501	MIOA8746	6557	MIOA8813	6613	MIOA8878	6669	MIOA8948
6446	MIOA8679	6502	MIOA8747	6558	mioa8816	6614	mioa8879	6670	MIOA8949
6447	mioa8681	6503	MIOA8748	6559	MIOA8817	6615	MIOA8880	6671	MIOA8950
6448	MIOA8682	6504	MIOA8749	6560	MIOA8818	6616	MIOA8881	6672	MIOA8951
6449	MIOA8683	6505	mioa8750	6561	MIOA8820	6617	MIOA8882	6673	MIOA8952
6450	mioa8684	6506	MIOA8751	6562	mioa8821	6618	MIOA8885	6674	MIOA8953
6451	MIOA8685	6507	mioa8753	6563	MIOA8822	6619	MIOA8886	6675	MIOA8954
6452	MIOA8686	6508	MIOA8754	6564	MIOA8823	6620	MIOA8887	6676	MIOA8955
6453	MIOA8687	6509	MIOA8755	6565	MIOA8824	6621	MIOA8888	6677	mioa8956
6454	MIOA8691	6510	MIOA8757	6566	MIOA8825	6622	MIOA8889	6678	MIOA8957
6455	MIOA8692	6511	MIOA8758	6567	MIOA8826	6623	MIOA8890	6679	MIOA8958
6456	MIOA8693	6512	MIOA8759	6568	MIOA8827	6624	MIOA8891	6680	MIOA8959
6457	MIOA8694	6513	mioa8761	6569	MIOA8828	6625	MIOA8893	6681	MIOA8960
6458	MIOA8695	6514	MIOA8762	6570	MIOA8830	6626	MIOA8894	6682	MIOA8962
6459	MIOA8696	6515	MIOA8763	6571	MIOA8831	6627	MIOA8895	6683	MIOA8963
6460	MIOA8697	6516	MIOA8764	6572	MIOA8832	6628	MIOA8897	6684	MIOA8965
6461	MIOA8700	6517	MIOA8767	6573	MIOA8833	6629	MIOA8898	6685	MIOA8966
6462	MIOA8702	6518	MIOA8768	6574	MIOA8834	6630	MIOA8899	6686	MIOA8967
6463	MIOA8703	6519	MIOA8769	6575	MIOA8835	6631	MIOA8900	6687	MIOA8968
6464	MIOA8704	6520	MIOA8770	6576	MIOA8836	6632	MIOA8901	6688	MIOA8969
6465	MIOA8705	6521	MIOA8772	6577	MIOA8837	6633	MIOA8902	6689	MIOA8970
6466	mioa8707	6522	MIOA8773	6578	MIOA8839	6634	MIOA8904	6690	MIOA8971
6467	MIOA8708	6523	MIOA8774	6579	MIOA8840	6635	MIOA8905	6691	mioa8972
6468	MIOA8710	6524	MIOA8775	6580	mioa8841	6636	MIOA8907	6692	MIOA8973
6469	MIOA8711	6525	MIOA8776	6581	MIOA8842	6637	MIOA8908	6693	MIOA8974
6470	MIOA8712	6526	mioa8777	6582	mioa8843	6638	MIOA8910	6694	MIOA8975
6471	MIOA8713	6527	MIOA8778	6583	MIOA8844	6639	MIOA8911	6695	MIOA8976
6472	MIOA8714	6528	MIOA8779	6584	MIOA8845	6640	MIOA8912	6696	MIOA8977
6473	MIOA8715	6529	MIOA8780	6585	mioa8846	6641	MIOA8913	6697	MIOA8978
6474	MIOA8716	6530	MIOA8781	6586	mioa8848	6642	MIOA8914	6698	MIOA8979
6475	MIOA8717	6531	MIOA8782	6587	mioa8849	6643	mioa8915n	6699	MIOA8984
6476	MIOA8718	6532	MIOA8783	6588	MIOA8850	6644	MIOA8916	6700	MIOA8985
6477	MIOA8719	6533	MIOA8785	6589	MIOA8851	6645	MIOA8917	6701	MIOA8986
6478	MIOA8720	6534	MIOA8786	6590	MIOA8852	6646	MIOA8918	6702	MIOA8987
6479	MIOA8721	6535	MIOA8787	6591	MIOA8853	6647	MIOA8919	6703	MIOA8988
6480	MIOA8723	6536	MIOA8788	6592	MIOA8854	6648	MIOA8920	6704	MIOA8990
6481	MIOA8724	6537	MIOA8789	6593	MIOA8855	6649	MIOA8921	6705	MIOA8991
6482	mioa8725	6538	MIOA8790	6594	MIOA8856	6650	MIOA8922	6706	MIOA8992
6483	mioa8726	6539	MIOA8793	6595	MIOA8857	6651	MIOA8925	6707	MIOA8993
6484	MIOA8727	6540	MIOA8794	6596	MIOA8858	6652	MIOA8928	6708	MIOA8995
6485	MIOA8728	6541	MIOA8795	6597	MIOA8859	6653	MIOA8929	6709	MIOA8996
6486	MIOA8729	6542	MIOA8796	6598	MIOA8860	6654	MIOA8930	6710	MIOA8997
6487	MIOA8730	6543	MIOA8797	6599	MIOA8861	6655	MIOA8931	6711	MIOA8998
6488	MIOA8732	6544	MIOA8798	6600	MIOA8862	6656	MIOA8932	6712	MIOA8999
6489	MIOA8733	6545	MIOA8799	6601	MIOA8863	6657	MIOA8933	6713	MIOA9000
6490	MIOA8734	6546	MIOA8800	6602	MIOA8864	6658	MIOA8936	6714	MIOA9001
6491	MIOA8735	6547	mioa8802	6603	MIOA8865	6659	MIOA8937	6715	MIOA9002
6492	mioa8736n	6548	MIOA8803	6604	MIOA8866	6660	MIOA8938	6716	MIOA9004
6493	mioa8737n	6549	MIOA8804	6605	MIOA8869	6661	MIOA8939	6717	MIOA9005
6494	MIOA8739	6550	MIOA8805	6606	MIOA8870	6662	MIOA8940	6718	MIOA9006
6495	MIOA8740	6551	MIOA8806	6607	MIOA8872	6663	MIOA8941	6719	MIOA9007
6496	MIOA8741	6552	MIOA8808	6608	MIOA8873	6664	MIOA8942	6720	MIOA9008



Figure 6D – Continued

6721	MIOA9009	6777	MIOA9070	6833	MIOA9136	6889	mioa9203	6945	mioa9279
6722	MIOA9010	6778	MIOA9071	6834	MIOA9137	6890	mioa9204	6946	mioa9280
6723	MIOA9011	6779	mioa9072n	6835	MIOA9138	6891	mioa9205	6947	mioa9287
6724	MIOA9012	6780	MIOA9074	6836	MIOA9139	6892	mioa9206	6948	mioa9288
6725	MIOA9013	6781	MIOA9075	6837	MIOA9140	6893	mioa9207	6949	mioa9289
6726	MIOA9014	6782	MIOA9076	6838	MIOA9141	6894	mioa9208	6950	mioa9291
6727	MIOA9015	6783	MIOA9078	6839	MIOA9142	6895	mioa9209	6951	mioa9292
6728	MIOA9016	6784	MIOA9079	6840	MIOA9143	6896	mioa9210	6952	mioa9294
6729	MIOA9017	6785	MIOA9080	6841	MIOA9144	6897	mioa9212	6953	mioa9295
6730	MIOA9018	6786	MIOA9081	6842	MIOA9145	6898	mioa9213	6954	mioa9296
6731	MIOA9019	6787	MIOA9083	6843	MIOA9146	6899	mioa9214	6955	mioa9297
6732	MIOA9020	6788	MIOA9084	6844	MIOA9147	6900	mioa9215	6956	mioa9298n
6733	MIOA9021	6789	MIOA9086	6845	MIOA9148	6901	mioa9216	6957	mioa9299
6734	MIOA9022	6790	MIOA9087	6846	MIOA9150	6902	mioa9223	6958	mioa9300
6735	mioa9023	6791	MIOA9089	6847	MIOA9151	6903	mioa9224n	6959	mioa9302
6736	MIOA9024	6792	MIOA9090	6848	MIOA9154	6904	mioa9225	6960	mioa9304
6737	MIOA9025	6793	MIOA9091	6849	MIOA9157	6905	mioa9226	6961	mioa9306
6738	MIOA9026	6794	MIOA9092	6850	MIOA9158	6906	mioa9227	6962	mioa9308
6739	MIOA9027	6795	MIOA9093	6851	MIOA9159	6907	mioa9228	6963	mioa9309
6740	MIOA9028	6796	MIOA9095	6852	MIOA9160	6908	mioa9230	6964	mioa9311
6741	MIOA9029	6797	MIOA9096	6853	MIOA9161	6909	mioa9231	6965	mioa9312
6742	MIOA9030	6798	MIOA9097	6854	MIOA9162	6910	mioa9232	6966	mioa9313
6743	MIOA9031	6799	MIOA9098	6855	MIOA9163	6911	mioa9234	6967	mioa9314
6744	MIOA9032	6800	MIOA9099	6856	MIOA9164	6912	mioa9235	6968	mioa9315
6745	MIOA9033	6801	MIOA9100	6857	MIOA9165	6913	mioa9236	6969	mioa9316
6746	MIOA9034	6802	MIOA9102	6858	MIOA9166	6914	mioa9237	6970	mioa9317
6747	MIOA9035	6803	MIOA9103	6859	MIOA9167	6915	mioa9238	6971	mioa9318
6748	MIOA9036	6804	MIOA9104	6860	MIOA9168	6916	mioa9240	6972	mioa9319
6749	MIOA9037	6805	MIOA9106	6861	MIOA9169	6917	mioa9241	6973	mioa9320
6750	MIOA9039	6806	MIOA9107	6862	MIOA9170	6918	mioa9242	6974	mioa9321
6751	MIOA9040	6807	MIOA9108	6863	MIOA9171	6919	mioa9243	6975	mioa9322
6752	MIOA9041	6808	MIOA9109	6864	MIOA9172	6920	mioa9244	6976	mioa9323
6753	MIOA9042	6809	MIOA9110	6865	MIOA9173	6921	mioa9245	6977	mioa9324
6754	MIOA9044	6810	MIOA9111	6866	MIOA9174	6922	mioa9246	6978	mioa9325
6755	MIOA9045	6811	MIOA9112	6867	MIOA9175	6923	mioa9249	6979	mioa9326
6756	MIOA9046	6812	MIOA9113	6868	MIOA9177	6924	mioa9250	6980	mioa9327
6757	MIOA9048	6813	MIOA9114	6869	MIOA9178	6925	mioa9251	6981	mioa9328
6758	MIOA9049	6814	MIOA9115	6870	MIOA9179	6926	mioa9252	6982	mioa9329
6759	MIOA9050	6815	MIOA9116	6871	MIOA9180	6927	mioa9254	6983	mioa9330
6760	MIOA9051	6816	MIOA9117	6872	MIOA9181	6928	mioa9255	6984	mioa9331
6761	MIOA9052	6817	MIOA9118	6873	MIOA9184	6929	mioa9256	6985	mioa9333
6762	MIOA9053	6818	MIOA9119	6874	mioa9185	6930	mioa9258	6986	mioa9334
6763	MIOA9054	6819	MIOA9120	6875	mioa9187	6931	mioa9259	6987	mioa9335
6764	MIOA9055	6820	MIOA9121	6876	mioa9188	6932	mioa9260	6988	mioa9336
6765	MIOA9056	6821	MIOA9122	6877	mioa9189	6933	mioa9261	6989	mioa9337
6766	MIOA9057	6822	MIOA9124	6878	mioa9190	6934	mioa9262	6990	mioa9338
6767	mioa9058	6823	MIOA9125	6879	mioa9191	6935	mioa9263	6991	mioa9339
6768	MIOA9060	6824	MIOA9126	6880	mioa9193	6936	mioa9266	6992	mioa9340
6769	MIOA9061	6825	MIOA9127	6881	mioa9194	6937	mioa9267	6993	mioa9341
6770	MIOA9062	6826	MIOA9129	6882	mioa9195	6938	mioa9269	6994	mioa9342
6771	MIOA9063	6827	MIOA9130	6883	mioa9196	6939	mioa9272	6995	mioa9343
6772	MIOA9064	6828	MIOA9131	6884	mioa9197	6940	mioa9273	6996	mioa9346
6773	MIOA9065	6829	MIOA9132	6885	mioa9198	6941	mioa9274	6997	mioa9347
6774	MIOA9066	6830	MIOA9133	6886	mioa9199	6942	mioa9276	6998	mioa9349
6775	MIOA9067	6831	MIOA9134	6887	mioa9200	6943	mioa9277	6999	mioa9350
6776	MIOA9068	6832	MIOA9135	6888	mioa9202	6944	mioa9278	7000	mioa9351

Figure 6D – Continued

7001	mioa9352	7057	mioa9426	7113	mioa9506	7169	mioa9575	7225	mioa9650
7002	mioa9353	7058	mioa9429	7114	mioa9507	7170	mioa9576	7226	mioa9651
7003	mioa9354	7059	mioa9430	7115	mioa9508	7171	mioa9577	7227	mioa9653
7004	mioa9355	7060	mioa9431	7116	mioa9509	7172	mioa9578	7228	mioa9654
7005	mioa9356	7061	mioa9432	7117	mioa9510	7173	mioa9579	7229	mioa9655
7006	mioa9357	7062	mioa9434	7118	mioa9511	7174	mioa9580	7230	mioa9657
7007	mioa9358	7063	mioa9436	7119	mioa9512n	7175	mioa9581	7231	mioa9658
7008	mioa9359	7064	mioa9438	7120	mioa9513	7176	mioa9582	7232	mioa9659n
7009	mioa9360	7065	mioa9439	7121	mioa9515	7177	mioa9583	7233	mioa9661
7010	mioa9361	7066	mioa9441	7122	mioa9516	7178	mioa9584	7234	mioa9662
7011	mioa9362	7067	mioa9442	7123	mioa9517n	7179	mioa9586	7235	mioa9663
7012	mioa9363	7068	mioa9443	7124	mioa9518	7180	mioa9587	7236	mioa9664
7013	mioa9364	7069	mioa9445	7125	mioa9519	7181	mioa9588	7237	mioa9665
7014	mioa9365	7070	mioa9446	7126	mioa9521	7182	mioa9590	7238	mioa9666
7015	mioa9366	7071	mioa9447	7127	mioa9522	7183	mioa9591	7239	mioa9667
7016	mioa9367	7072	mioa9448	7128	mioa9523	7184	mioa9592	7240	mioa9668
7017	mioa9368	7073	mioa9452	7129	mioa9524	7185	mioa9594	7241	mioa9669
7018	mioa9369	7074	mioa9453	7130	mioa9525	7186	mioa9597	7242	mioa9670
7019	mioa9370	7075	mioa9454	7131	mioa9526	7187	mioa9599	7243	mioa9672
7020	mioa9371	7076	mioa9456	7132	mioa9527	7188	mioa9600	7244	mioa9674
7021	mioa9372	7077	mioa9459	7133	mioa9529	7189	mioa9601	7245	mioa9675
7022	mioa9373	7078	mioa9460	7134	mioa9530	7190	mioa9604	7246	mioa9676
7023	mioa9374	7079	mioa9462	7135	mioa9531	7191	mioa9607	7247	mioa9677
7024	mioa9375	7080	mioa9463	7136	mioa9532	7192	mioa9608	7248	mioa9679
7025	mioa9376	7081	mioa9464	7137	mioa9533	7193	mioa9610	7249	mioa9680
7026	mioa9380	7082	mioa9465	7138	mioa9534	7194	mioa9611	7250	mioa9681
7027	mioa9381	7083	mioa9466	7139	mioa9535	7195	mioa9612	7251	mioa9682
7028	mioa9383	7084	mioa9467	7140	mioa9537	7196	mioa9614	7252	mioa9683
7029	mioa9386	7085	mioa9469	7141	mioa9539	7197	mioa9615	7253	mioa9684
7030	mioa9388	7086	mioa9470	7142	mioa9540	7198	mioa9616	7254	mioa9685
7031	mioa9389	7087	mioa9472	7143	mioa9541	7199	mioa9617n	7255	mioa9686
7032	mioa9391n	7088	mioa9473	7144	mioa9542	7200	mioa9618	7256	mioa9687
7033	mioa9395	7089	mioa9474	7145	mioa9543	7201	mioa9619	7257	mioa9688
7034	mioa9396	7090	mioa9476	7146	mioa9545	7202	mioa9620	7258	mioa9690
7035	mioa9398	7091	mioa9477n	7147	mioa9546	7203	mioa9621	7259	mioa9692n
7036	mioa9401	7092	mioa9478	7148	mioa9547	7204	mioa9622	7260	mioa9693
7037	mioa9402	7093	mioa9479	7149	mioa9548	7205	mioa9623	7261	mioa9694
7038	mioa9403	7094	mioa9483	7150	mioa9549	7206	mioa9624	7262	mioa9695
7039	mioa9404	7095	mioa9484	7151	mioa9550	7207	mioa9625	7263	mioa9696
7040	mioa9405	7096	mioa9486	7152	mioa9551	7208	mioa9626	7264	mioa9697
7041	mioa9406	7097	mioa9487	7153	mioa9553	7209	mioa9627	7265	mioa9699
7042	mioa9407	7098	mioa9489	7154	mioa9554	7210	mioa9628	7266	mioa9700
7043	mioa9408	7099	mioa9490	7155	mioa9555	7211	mioa9629	7267	mioa9701
7044	mioa9412	7100	mioa9491	7156	mioa9556	7212	mioa9630	7268	mioa9704
7045	mioa9413	7101	mioa9492	7157	mioa9557	7213	mioa9632	7269	mioa9705
7046	mioa9414	7102	mioa9493	7158	mioa9558	7214	mioa9633	7270	mioa9706
7047	mioa9415	7103	mioa9494	7159	mioa9559	7215	mioa9634	7271	mioa9707
7048	mioa9416	7104	mioa9495	7160	mioa9562	7216	mioa9636	7272	mioa9709
7049	mioa9417	7105	mioa9497	7161	mioa9563	7217	mioa9640	7273	mioa9710
7050	mioa9418	7106	mioa9498	7162	mioa9564	7218	mioa9641	7274	mioa9711
7051	mioa9419	7107	mioa9499n	7163	mioa9565	7219	mioa9643	7275	mioa9712
7052	mioa9420	7108	mioa9500	7164	mioa9567	7220	mioa9645	7276	mioa9714
7053	mioa9421	7109	mioa9501	7165	mioa9570	7221	mioa9646	7277	mioa9715
7054	mioa9422	7110	mioa9502	7166	mioa9571	7222	mioa9647	7278	mioa9716
7055	mioa9423	7111	mioa9503	7167	mioa9572	7223	mioa9648	7279	mioa9717
7056	mioa9425	7112	mioa9505	7168	mioa9574	7224	mioa9649	7280	mioa9718

Figure 6D - Continued

7281	mioa9719	7337	mioa9793	7393	mioa9861	7449	mioa9931	7505	mioa9995
7282	mioa9721	7338	mioa9794	7394	mioa9864	7450	mioa9932	7506	mioa9996
7283	mioa9722	7339	mioa9795	7395	mioa9865	7451	mioa9933	7507	mioa9997
7284	mioa9725	7340	mioa9796	7396	mioa9868	7452	mioa9934	7508	mioa9998
7285	mioa9726	7341	mioa9797	7397	mioa9869	7453	mioa9935	7509	miob0001
7286	mioa9728	7342	mioa9798	7398	mioa9870	7454	mioa9936	7510	miob0002
7287	mioa9729	7343	mioa9799	7399	mioa9871	7455	mioa9937	7511	miob0004n
7288	mioa9730	7344	mioa9801	7400	mioa9872	7456	mioa9938	7512	miob0005
7289	mioa9731	7345	mioa9802	7401	mioa9873	7457	mioa9939	7513	miob0008
7290	mioa9732	7346	mioa9803	7402	mioa9874	7458	mioa9940	7514	miob0009
7291	mioa9734	7347	mioa9804	7403	mioa9875	7459	mioa9941	7515	miob0010
7292	mioa9735	7348	mioa9805	7404	mioa9876	7460	mioa9942	7516	miob0014n
7293	mioa9737	7349	mioa9806	7405	mioa9877	7461	mioa9943	7517	miob0016
7294	mioa9738	7350	mioa9807	7406	mioa9878	7462	mioa9945	7518	miob0018
7295	mioa9739	7351	mioa9808	7407	mioa9880	7463	mioa9946	7519	miob0019n
7296	mioa9740	7352	mioa9809	7408	mioa9882	7464	mioa9948	7520	miob0022
7297	mioa9741	7353	mioa9810	7409	mioa9883	7465	mioa9949	7521	miob0023
7298	mioa9742	7354	mioa9811	7410	mioa9884	7466	mioa9950	7522	miob0024
7299	mioa9743	7355	mioa9812	7411	mioa9885	7467	mioa9951	7523	miob0025
7300	mioa9745	7356	mioa9813	7412	mioa9886	7468	mioa9952	7524	miob0031n
7301	mioa9747	7357	mioa9814	7413	mioa9887	7469	mioa9953	7525	miob0036
7302	mioa9748	7358	mioa9816	7414	mioa9888	7470	mioa9954	7526	miob0038
7303	mioa9749	7359	mioa9817	7415	mioa9889	7471	mioa9955	7527	miob0039
7304	mioa9750	7360	mioa9818	7416	mioa9890	7472	mioa9958	7528	miob0042
7305	mioa9751	7361	mioa9820	7417	mioa9891	7473	mioa9960	7529	miob0043
7306	mioa9754	7362	mioa9821	7418	mioa9892	7474	mioa9961	7530	miob0044
7307	mioa9755	7363	mioa9822	7419	mioa9893	7475	mioa9962	7531	miob0045
7308	mioa9756	7364	mioa9823	7420	mioa9894	7476	mioa9963	7532	miob0046
7309	mioa9757	7365	mioa9824	7421	mioa9895	7477	mioa9964	7533	miob0047
7310	mioa9758	7366	mioa9825	7422	mioa9896	7478	mioa9966	7534	miob0048
7311	mioa9760	7367	mioa9827	7423	mioa9897	7479	mioa9967	7535	miob0050
7312	mioa9761	7368	mioa9828	7424	mioa9899	7480	mioa9968	7536	miob0051n
7313	mioa9762	7369	mioa9829	7425	mioa9900	7481	mioa9969	7537	miob0054
7314	mioa9765	7370	mioa9831	7426	mioa9901	7482	mioa9971	7538	miob0055
7315	mioa9766	7371	mioa9832	7427	mioa9902	7483	mioa9972	7539	miob0056
7316	mioa9767	7372	mioa9836	7428	mioa9903	7484	mioa9974n	7540	miob0057
7317	mioa9768	7373	mioa9838	7429	mioa9905	7485	mioa9975n	7541	miob0060
7318	mioa9771	7374	mioa9839	7430	mioa9906	7486	mioa9976	7542	miob0062
7319	mioa9772	7375	mioa9840	7431	mioa9907	7487	mioa9977	7543	miob0063
7320	mioa9773	7376	mioa9841	7432	mioa9908	7488	mioa9978	7544	miob0065
7321	mioa9775	7377	mioa9842	7433	mioa9909	7489	mioa9979	7545	miob0066
7322	mioa9776	7378	mioa9843	7434	mioa9910	7490	mioa9980	7546	miob0068
7323	mioa9777	7379	mioa9844	7435	mioa9911	7491	mioa9981	7547	miob0071
7324	mioa9778	7380	mioa9845	7436	mioa9913	7492	mioa9982	7548	miob0072
7325	mioa9780	7381	mioa9847	7437	mioa9914	7493	mioa9983	7549	miob0073
7326	mioa9781	7382	mioa9849	7438	mioa9916	7494	mioa9984	7550	miob0074n
7327	mioa9783	7383	mioa9850	7439	mioa9918	7495	mioa9985	7551	miob0075
7328	mioa9784	7384	mioa9852	7440	mioa9919	7496	mioa9986n	7552	miob0076
7329	mioa9785	7385	mioa9853	7441	mioa9920	7497	mioa9987	7553	miob0078
7330	mioa9786	7386	mioa9854	7442	mioa9921	7498	mioa9988	7554	miob0080
7331	mioa9787	7387	mioa9855	7443	mioa9924	7499	mioa9989	7555	miob0082
7332	mioa9788	7388	mioa9856	7444	mioa9925	7500	mioa9990	7556	miob0084
7333	mioa9789	7389	mioa9857	7445	mioa9926	7501	mioa9991n	7557	miob0087
7334	mioa9790	7390	mioa9858	7446	mioa9927	7502	mioa9992	7558	miob0088
7335	mioa9791	7391	mioa9859	7447	mioa9929	7503	mioa9993n	7559	miob0089
7336	mioa9792	7392	mioa9860	7448	mioa9930	7504	mioa9994	7560	miob0090

Figure 6D – Continued

7561	miob0091	7617	miob0180	7673	miob0256	7729	miob0348	7785	miob0420
7562	miob0093	7618	miob0181	7674	miob0258	7730	miob0349	7786	miob0421
7563	miob0100	7619	miob0182	7675	miob0260	7731	miob0350	7787	miob0422
7564	miob0102n	7620	miob0184	7676	miob0263	7732	miob0351	7788	miob0423
7565	miob0106	7621	miob0185	7677	miob0264	7733	miob0353	7789	miob0425
7566	miob0107	7622	miob0186	7678	miob0266	7734	miob0354	7790	miob0426
7567	miob0108	7623	miob0187	7679	miob0267	7735	miob0356	7791	miob0427
7568	miob0109	7624	miob0188	7680	miob0268	7736	miob0357	7792	miob0428
7569	miob0110n	7625	miob0189	7681	miob0269	7737	miob0358	7793	miob0429
7570	miob0111	7626	miob0191	7682	miob0270	7738	miob0359	7794	miob0430
7571	miob0112	7627	miob0193	7683	miob0271	7739	miob0360	7795	miob0431
7572	miob0113	7628	miob0194	7684	miob0272n	7740	miob0361	7796	miob0432
7573	miob0114n	7629	miob0195	7685	miob0273	7741	miob0362	7797	miob0433
7574	miob0115	7630	miob0196	7686	miob0275	7742	miob0363	7798	miob0434
7575	miob0117	7631	miob0197	7687	miob0276	7743	miob0364	7799	miob0435
7576	miob0119	7632	miob0198	7688	miob0277	7744	miob0365	7800	miob0436
7577	miob0120	7633	miob0199	7689	miob0278	7745	miob0366	7801	miob0439
7578	miob0126	7634	miob0201	7690	miob0279	7746	miob0367	7802	miob0440
7579	miob0129	7635	miob0202	7691	miob0280n	7747	miob0368	7803	miob0441
7580	miob0130n	7636	miob0204	7692	miob0281	7748	miob0369	7804	miob0442
7581	miob0132	7637	miob0206	7693	miob0287	7749	miob0370	7805	miob0443
7582	miob0135	7638	miob0207	7694	miob0288	7750	miob0371	7806	miob0444
7583	miob0137	7639	miob0208	7695	miob0293	7751	miob0372n	7807	miob0445
7584	miob0139	7640	miob0209	7696	miob0298	7752	miob0373	7808	miob0446
7585	miob0140	7641	miob0210	7697	miob0299	7753	miob0375	7809	miob0447
7586	miob0141	7642	miob0212	7698	miob0300	7754	miob0376	7810	miob0448
7587	miob0143	7643	miob0213	7699	miob0301	7755	miob0377	7811	miob0449
7588	miob0144	7644	miob0214	7700	miob0304	7756	miob0378	7812	miob0450
7589	miob0147	7645	miob0215	7701	miob0305	7757	miob0379	7813	miob0451
7590	miob0149	7646	miob0218	7702	miob0307	7758	miob0380	7814	miob0452
7591	miob0150	7647	miob0219	7703	miob0308	7759	miob0381n	7815	miob0453
7592	miob0151	7648	miob0220	7704	miob0310	7760	miob0382	7816	miob0454
7593	miob0153	7649	miob0222	7705	miob0311	7761	miob0384	7817	miob0455
7594	miob0154	7650	miob0225	7706	miob0313	7762	miob0385	7818	miob0456
7595	miob0155	7651	miob0229	7707	miob0316	7763	miob0387n	7819	miob0457
7596	miob0156	7652	miob0230	7708	miob0318	7764	miob0390	7820	miob0465
7597	miob0157	7653	miob0231	7709	miob0319	7765	miob0392	7821	MIOB0466
7598	miob0158	7654	miob0232	7710	miob0320	7766	miob0393	7822	MIOB0467n
7599	miob0159	7655	miob0233	7711	miob0321	7767	miob0395	7823	MIOB0468
7600	miob0163	7656	miob0234	7712	miob0323	7768	miob0399	7824	MIOB0469
7601	miob0164	7657	miob0235	7713	miob0324	7769	miob0400	7825	MIOB0472
7602	miob0165	7658	miob0236	7714	miob0325	7770	miob0403	7826	MIOB0473
7603	miob0166	7659	miob0237n	7715	miob0326	7771	miob0404	7827	MIOB0474
7604	miob0167	7660	miob0238	7716	miob0327	7772	miob0405	7828	miob0482
7605	miob0168	7661	miob0239	7717	MIOB0328	7773	miob0406	7829	miob0483
7606	miob0169	7662	miob0240	7718	MIOB0329	7774	miob0407	7830	miob0487
7607	miob0170	7663	miob0241	7719	MIOB0330	7775	miob0409	7831	miob0490
7608	miob0171	7664	miob0242	7720	MIOB0331	7776	miob0410	7832	miob0491
7609	miob0172	7665	miob0243	7721	MIOB0332	7777	miob0411	7833	miob0492
7610	miob0173	7666	miob0244	7722	MIOB0336	7778	miob0412	7834	miob0493
7611	miob0174	7667	miob0245	7723	MIOB0337	7779	miob0413	7835	miob0496
7612	miob0175	7668	miob0246	7724	miob0338	7780	miob0415	7836	miob0497
7613	miob0176	7669	miob0248	7725	miob0341	7781	miob0416	7837	miob0498
7614	miob0177	7670	miob0252	7726	miob0343	7782	miob0417	7838	miob0500n
7615	miob0178	7671	miob0253	7727	miob0346	7783	miob0418	7839	miob0502
7616	miob0179	7672	miob0255	7728	miob0347	7784	miob0419	7840	miob0507

Figure 6D – Continued

7841	miob0508	7897	miob0634	7953	miob0699	8009	miob0762	8065	miob0825
7842	miob0510	7898	miob0635	7954	miob0700	8010	miob0763	8066	miob0826
7843	miob0515	7899	miob0636	7955	miob0701n	8011	miob0764	8067	miob0827
7844	miob0519	7900	miob0637	7956	miob0703	8012	miob0765	8068	miob0828
7845	miob0520	7901	miob0638	7957	miob0704	8013	miob0766	8069	miob0829
7846	miob0522	7902	miob0642	7958	miob0705	8014	miob0767	8070	miob0830
7847	miob0523	7903	miob0644	7959	miob0706	8015	miob0768	8071	miob0831
7848	miob0524	7904	miob0645	7960	miob0707	8016	miob0769	8072	miob0832
7849	miob0528	7905	miob0646	7961	miob0708	8017	miob0770	8073	miob0833
7850	MIOB0535	7906	miob0647	7962	miob0709	8018	miob0772	8074	miob0834
7851	MIOB0536	7907	miob0648	7963	miob0710	8019	miob0773	8075	miob0835n
7852	MIOB0537	7908	miob0649	7964	miob0711	8020	miob0774	8076	miob0836
7853	MIOB0538	7909	miob0650	7965	miob0712	8021	miob0775	8077	miob0837
7854	MIOB0541	7910	miob0651	7966	miob0713	8022	miob0776	8078	miob0838
7855	MIOB0542	7911	miob0652	7967	miob0714	8023	miob0777	8079	miob0839
7856	MIOB0544	7912	miob0653	7968	miob0715	8024	miob0778	8080	miob0840
7857	MIOB0545	7913	miob0654	7969	miob0716	8025	miob0779	8081	miob0841
7858	miob0547n	7914	miob0656	7970	miob0717	8026	miob0780	8082	miob0842
7859	MIOB0549	7915	miob0657	7971	miob0718	8027	miob0781	8083	miob0843
7860	MIOB0550	7916	miob0658	7972	miob0719	8028	miob0782	8084	miob0845
7861	MIOB0552	7917	miob0660	7973	miob0720	8029	miob0783	8085	miob0846
7862	MIOB0554	7918	miob0661	7974	miob0721	8030	miob0784	8086	miob0848n
7863	MIOB0556	7919	miob0662	7975	miob0722	8031	miob0785	8087	miob0850
7864	MIOB0557	7920	miob0663	7976	miob0723	8032	miob0786	8088	miob0851
7865	MIOB0559	7921	miob0665	7977	miob0724	8033	miob0787	8089	miob0852
7866	MIOB0561	7922	miob0667	7978	miob0725	8034	miob0788	8090	miob0853
7867	MIOB0564	7923	miob0668	7979	miob0726	8035	miob0789	8091	miob0854
7868	miob0565n	7924	miob0669	7980	miob0727	8036	miob0791	8092	miob0855
7869	miob0566n	7925	miob0670	7981	miob0728	8037	miob0792	8093	miob0856
7870	MIOB0567	7926	miob0671	7982	miob0729	8038	miob0793	8094	miob0857
7871	miob0568	7927	miob0672	7983	miob0731	8039	miob0794	8095	miob0858
7872	MIOB0569	7928	miob0673	7984	miob0733	8040	miob0795	8096	miob0860
7873	MIOB0572	7929	miob0674	7985	miob0734	8041	miob0796	8097	miob0861
7874	MIOB0573	7930	miob0675	7986	miob0735n	8042	miob0797	8098	miob0862
7875	MIOB0574	7931	miob0676	7987	miob0736	8043	miob0798n	8099	miob0863
7876	miob0578	7932	miob0677	7988	miob0739	8044	miob0799	8100	miob0865
7877	miob0579	7933	miob0678	7989	miob0741	8045	miob0801	8101	miob0866
7878	miob0581	7934	miob0680	7990	miob0742	8046	miob0803	8102	miob0867
7879	miob0582n	7935	miob0681	7991	miob0743	8047	miob0804	8103	miob0868
7880	miob0586	7936	miob0682	7992	miob0744	8048	miob0805	8104	miob0869
7881	miob0588	7937	miob0683	7993	miob0745	8049	miob0806	8105	miob0870
7882	miob0589	7938	miob0684	7994	miob0746	8050	miob0807	8106	miob0873
7883	miob0590	7939	miob0685	7995	miob0747	8051	miob0808	8107	miob0874
7884	miob0593	7940	miob0686	7996	miob0748	8052	miob0809	8108	miob0875
7885	miob0596	7941	miob0687n	7997	miob0749	8053	miob0811	8109	miob0876
7886	miob0597	7942	miob0688	7998	miob0750	8054	miob0812	8110	miob0877
7887	miob0598	7943	miob0689	7999	miob0751	8055	miob0814	8111	miob0879
7888	miob0600	7944	miob0690	8000	miob0752	8056	miob0815	8112	miob0880
7889	miob0601	7945	miob0691	8001	miob0753	8057	miob0816	8113	miob0881
7890	miob0620	7946	miob0692	8002	miob0755	8058	miob0817	8114	miob0883
7891	miob0625	7947	miob0693	8003	miob0756	8059	miob0818	8115	miob0884
7892	miob0627	7948	miob0694	8004	miob0757	8060	miob0819	8116	miob0886
7893	miob0628	7949	miob0695	8005	miob0758	8061	miob0820	8117	miob0888
7894	miob0629	7950	miob0696	8006	miob0759	8062	miob0821	8118	miob0889
7895	miob0630	7951	miob0697	8007	miob0760	8063	miob0822	8119	miob0890
7896	miob0633	7952	miob0698	8008	miob0761	8064	miob0824	8120	miob0891

Figure 6D – Continued

8121	miob0892	8177	miob0953	8233	miob1017	8289	miob1090	8345	miob1151
8122	miob0893	8178	miob0954	8234	miob1018	8290	miob1091	8346	miob1152
8123	miob0897	8179	miob0955	8235	miob1019	8291	miob1092	8347	miob1153n
8124	miob0898	8180	miob0956	8236	miob1020	8292	miob1093	8348	miob1154
8125	miob0899	8181	miob0959	8237	miob1021	8293	miob1094	8349	miob1155
8126	miob0900	8182	miob0960	8238	miob1022	8294	miob1095	8350	miob1156
8127	miob0901	8183	miob0962	8239	miob1023	8295	miob1096	8351	miob1157
8128	miob0902	8184	miob0963	8240	miob1025n	8296	miob1097n	8352	miob1158
8129	miob0903	8185	miob0964	8241	miob1026	8297	miob1098	8353	miob1159
8130	miob0904	8186	miob0965	8242	miob1027	8298	miob1099	8354	miob1160
8131	miob0905	8187	miob0967	8243	miob1029	8299	miob1100	8355	miob1161
8132	miob0906	8188	miob0968	8244	miob1030	8300	miob1101	8356	miob1165
8133	miob0907	8189	miob0969	8245	miob1031	8301	miob1102	8357	miob1168
8134	miob0908	8190	miob0971	8246	miob1032	8302	miob1103	8358	miob1171
8135	miob0909	8191	miob0972	8247	miob1033	8303	miob1104	8359	miob1172
8136	miob0910	8192	miob0973	8248	miob1034	8304	miob1105	8360	miob1177
8137	miob0911	8193	miob0974	8249	miob1035	8305	miob1106	8361	miob1178
8138	miob0912	8194	miob0975	8250	miob1036	8306	miob1107	8362	miob1180
8139	miob0913	8195	miob0976	8251	miob1037	8307	miob1108	8363	miob1181
8140	miob0914	8196	miob0977	8252	miob1038	8308	miob1111	8364	miob1182
8141	miob0915	8197	miob0978	8253	miob1040	8309	miob1112	8365	miob1183
8142	miob0916	8198	miob0979	8254	miob1041	8310	miob1113	8366	miob1184
8143	miob0918	8199	miob0980	8255	miob1042	8311	miob1114	8367	miob1185
8144	miob0919	8200	miob0981	8256	miob1043	8312	miob1115	8368	miob1186
8145	miob0920	8201	miob0982	8257	miob1044	8313	miob1116	8369	miob1187
8146	miob0921	8202	miob0983	8258	miob1046	8314	miob1117	8370	miob1188
8147	miob0922	8203	miob0984	8259	miob1048	8315	miob1118	8371	miob1189
8148	miob0923	8204	miob0986	8260	miob1049	8316	miob1119	8372	miob1190
8149	miob0925	8205	miob0987	8261	miob1050	8317	miob1122	8373	miob1191
8150	miob0926	8206	miob0988	8262	miob1051	8318	miob1123	8374	miob1192
8151	miob0927	8207	miob0989n	8263	miob1052	8319	miob1124	8375	miob1194
8152	miob0928	8208	miob0990	8264	miob1053	8320	miob1125	8376	miob1195
8153	miob0929	8209	miob0992	8265	miob1056	8321	miob1126	8377	miob1196
8154	miob0930n	8210	miob0993	8266	miob1059	8322	miob1127	8378	miob1197
8155	miob0931	8211	miob0994	8267	miob1060	8323	miob1128	8379	miob1198
8156	miob0932	8212	miob0995	8268	miob1061	8324	miob1129	8380	miob1199
8157	miob0933	8213	miob0996	8269	miob1062	8325	miob1130	8381	miob1200
8158	miob0934	8214	miob0997	8270	miob1063	8326	miob1131	8382	miob1202
8159	miob0935	8215	miob0999	8271	miob1064	8327	miob1132	8383	miob1203
8160	miob0936	8216	miob1000	8272	miob1065	8328	miob1133	8384	miob1204
8161	miob0937	8217	miob1001	8273	miob1067	8329	miob1134	8385	miob1205
8162	miob0938	8218	miob1002	8274	miob1068	8330	miob1135	8386	miob1206
8163	miob0939	8219	miob1003	8275	miob1070	8331	miob1136	8387	miob1208
8164	miob0940	8220	miob1004	8276	miob1071	8332	miob1138	8388	miob1209
8165	miob0941	8221	miob1005	8277	miob1072	8333	miob1139	8389	miob1210
8166	miob0942	8222	miob1006	8278	miob1073	8334	miob1140	8390	miob1211
8167	miob0943	8223	miob1007	8279	miob1074	8335	miob1141	8391	miob1214
8168	miob0944	8224	miob1008	8280	miob1075	8336	miob1142	8392	miob1215
8169	miob0945	8225	miob1009	8281	miob1076	8337	miob1143	8393	miob1218
8170	miob0946	8226	miob1010	8282	miob1078	8338	miob1144	8394	miob1219
8171	miob0947	8227	miob1011	8283	miob1079n	8339	miob1145	8395	miob1220
8172	miob0948	8228	miob1012	8284	miob1080	8340	miob1146	8396	miob1221
8173	miob0949	8229	miob1013	8285	miob1083	8341	miob1147	8397	miob1222
8174	miob0950	8230	miob1014	8286	miob1085	8342	miob1148	8398	miob1223
8175	miob0951	8231	miob1015	8287	miob1087	8343	miob1149	8399	miob1224
8176	miob0952	8232	miob1016	8288	miob1089	8344	miob1150	8400	miob1225

Figure 6D – Continued

8401	miob1226	8457	miob1296	8513	miob1357	8569	miob1461	8625	MIOB1553
8402	miob1227	8458	miob1298	8514	miob1358	8570	miob1479	8626	MIOB1554
8403	miob1228	8459	miob1299	8515	miob1359	8571	miob1480	8627	MIOB1555
8404	miob1229	8460	miob1300	8516	miob1360	8572	miob1481	8628	MIOB1556
8405	miob1230	8461	miob1301	8517	miob1361	8573	MIOB1490	8629	MIOB1557
8406	miob1231	8462	miob1302	8518	miob1362	8574	MIOB1491	8630	MIOB1558
8407	miob1233	8463	miob1303	8519	miob1363	8575	MIOB1492	8631	MIOB1559
8408	miob1234	8464	miob1304	8520	miob1364	8576	MIOB1493	8632	MIOB1560
8409	miob1235	8465	miob1305	8521	miob1365	8577	MIOB1494	8633	MIOB1561
8410	miob1236	8466	miob1306	8522	miob1366	8578	MIOB1495	8634	MIOB1562
8411	miob1237	8467	miob1307	8523	miob1367	8579	MIOB1496	8635	MIOB1563
8412	miob1238	8468	miob1308	8524	miob1368	8580	MIOB1497	8636	MIOB1565
8413	miob1242	8469	miob1309	8525	miob1369	8581	MIOB1498	8637	MIOB1566
8414	miob1243	8470	miob1310	8526	miob1370	8582	MIOB1499	8638	MIOB1567
8415	miob1244	8471	miob1312	8527	miob1371	8583	MIOB1501	8639	MIOB1568
8416	miob1245	8472	miob1313	8528	miob1372	8584	MIOB1502	8640	MIOB1569
8417	miob1246	8473	miob1314	8529	miob1373	8585	MIOB1504	8641	MIOB1570
8418	miob1247	8474	miob1315	8530	miob1374	8586	MIOB1505	8642	MIOB1571
8419	miob1249	8475	miob1316	8531	miob1375	8587	MIOB1506	8643	MIOB1572
8420	miob1250	8476	miob1317	8532	miob1376	8588	MIOB1507	8644	MIOB1573
8421	miob1251	8477	miob1318	8533	miob1377n	8589	MIOB1508	8645	MIOB1575
8422	miob1252	8478	miob1319	8534	miob1378	8590	MIOB1509	8646	MIOB1577
8423	miob1253	8479	miob1320	8535	miob1379	8591	MIOB1510	8647	MIOB1579
8424	miob1254	8480	miob1321	8536	miob1380	8592	MIOB1511	8648	MIOB1580
8425	miob1255	8481	miob1322	8537	miob1381	8593	MIOB1512	8649	MIOB1582
8426	miob1258	8482	miob1323	8538	miob1382	8594	MIOB1513	8650	MIOB1583
8427	miob1259n	8483	miob1324	8539	miob1383	8595	MIOB1514	8651	MIOB1584
8428	miob1260	8484	miob1325	8540	miob1384	8596	MIOB1515	8652	miob1687
8429	miob1263	8485	miob1326	8541	miob1385	8597	MIOB1518	8653	miob1689
8430	miob1265	8486	miob1327	8542	miob1386	8598	MIOB1519	8654	miob1690
8431	miob1266	8487	miob1329	8543	miob1387	8599	MIOB1520	8655	miob1691
8432	miob1267	8488	miob1330	8544	miob1388	8600	MIOB1521	8656	miob1692n
8433	miob1268	8489	miob1331	8545	miob1389	8601	MIOB1523	8657	miob1693
8434	miob1269	8490	miob1332	8546	miob1390n	8602	MIOB1524	8658	miob1694
8435	miob1270	8491	miob1333	8547	miob1391	8603	MIOB1525	8659	miob1696
8436	miob1271	8492	miob1334	8548	miob1392	8604	MIOB1526	8660	miob1698
8437	miob1272	8493	miob1335	8549	miob1393	8605	MIOB1527	8661	miob1699
8438	miob1273	8494	miob1336	8550	miob1440	8606	MIOB1528	8662	miob1701
8439	miob1274	8495	miob1337	8551	miob1441	8607	miob1529	8663	miob1704
8440	miob1275	8496	miob1338	8552	miob1442	8608	MIOB1530	8664	miob1706
8441	miob1276	8497	miob1340	8553	miob1443	8609	MIOB1531	8665	miob1707
8442	miob1277	8498	miob1341	8554	miob1445	8610	MIOB1533	8666	miob1708
8443	miob1278	8499	miob1342	8555	miob1446	8611	MIOB1535	8667	miob1709
8444	miob1279	8500	miob1343	8556	miob1447n	8612	MIOB1536	8668	miob1710
8445	miob1281	8501	miob1344	8557	miob1448	8613	miob1537n	8669	miob1711
8446	miob1282	8502	miob1345	8558	miob1449	8614	MIOB1538	8670	miob1712
8447	miob1283	8503	miob1346	8559	miob1450	8615	MIOB1539	8671	miob1713
8448	miob1285	8504	miob1347	8560	miob1451	8616	MIOB1540	8672	miob1714
8449	miob1286	8505	miob1348	8561	miob1452	8617	MIOB1541	8673	miob1716
8450	miob1287	8506	miob1349	8562	miob1453	8618	MIOB1542	8674	miob1718
8451	miob1289	8507	miob1350	8563	miob1454	8619	MIOB1543	8675	miob1719
8452	miob1290	8508	miob1352	8564	miob1455	8620	MIOB1545	8676	miob1720
8453	miob1291	8509	miob1353	8565	miob1456	8621	MIOB1546	8677	miob1721
8454	miob1293	8510	miob1354	8566	miob1457	8622	MIOB1547	8678	miob1722
8455	miob1294	8511	miob1355	8567	miob1458	8623	MIOB1550	8679	miob1723
8456	miob1295	8512	miob1356	8568	miob1460	8624	MIOB1552	8680	miob1724

Figure 6D – Continued

8681	miob1725	8737	miob1795	8793	miob1855	8849	miob1914	8905	MIOB2073
8682	miob1726	8738	miob1796	8794	miob1856	8850	miob1915	8906	MIOB2074
8683	miob1727	8739	miob1797	8795	miob1857	8851	miob1916	8907	MIOB2077
8684	miob1728	8740	miob1798	8796	miob1858	8852	miob1917	8908	MIOB2079
8685	miob1729	8741	miob1800	8797	miob1859	8853	miob1918	8909	MIOB2080
8686	miob1734	8742	miob1801	8798	miob1860	8854	miob1919	8910	MIOB2082
8687	miob1735	8743	miob1802	8799	miob1861	8855	miob1920	8911	MIOB2084
8688	miob1737	8744	miob1803	8800	miob1862	8856	miob1921	8912	MIOB2085
8689	miob1738	8745	miob1804	8801	miob1863	8857	miob1924	8913	MIOB2087
8690	miob1739	8746	miob1806	8802	miob1864	8858	miob1925	8914	MIOB2088
8691	miob1740	8747	miob1807	8803	miob1865	8859	miob1926n	8915	MIOB2089
8692	miob1741	8748	miob1808	8804	miob1866	8860	miob1927	8916	MIOB2090
8693	miob1742	8749	miob1809	8805	miob1867	8861	miob1928	8917	MIOB2091
8694	miob1743	8750	miob1810	8806	miob1868	8862	miob1929	8918	MIOB2092
8695	miob1744	8751	miob1811	8807	miob1869	8863	miob1930	8919	MIOB2093
8696	miob1745	8752	miob1812	8808	miob1871	8864	miob1932	8920	MIOB2094
8697	miob1746	8753	miob1813	8809	miob1872	8865	miob1933	8921	MIOB2095
8698	miob1747	8754	miob1814	8810	miob1873	8866	miob1934	8922	MIOB2096
8699	miob1748	8755	miob1815	8811	miob1874	8867	miob1935	8923	MIOB2097
8700	miob1749	8756	miob1816	8812	miob1875	8868	miob1936	8924	MIOB2098
8701	miob1750	8757	miob1818	8813	miob1876	8869	miob1937	8925	MIOB2099
8702	miob1751	8758	miob1820	8814	miob1877	8870	miob1938	8926	MIOB2100
8703	miob1752	8759	miob1821	8815	miob1879	8871	miob1939	8927	MIOB2102
8704	miob1754	8760	miob1822	8816	miob1880	8872	miob1940	8928	MIOB2103
8705	miob1755	8761	miob1823	8817	miob1881	8873	miob1941	8929	MIOB2104
8706	miob1756	8762	miob1824	8818	miob1882	8874	miob1942	8930	MIOB2105
8707	miob1757	8763	miob1825	8819	miob1883	8875	miob1943	8931	MIOB2107
8708	miob1758	8764	miob1826	8820	miob1884	8876	miob1944	8932	MIOB2108
8709	miob1759	8765	miob1827	8821	miob1885	8877	miob1945	8933	MIOB2109
8710	miob1760	8766	miob1828	8822	miob1886	8878	miob1946	8934	MIOB2110
8711	miob1761	8767	miob1829	8823	miob1887	8879	miob1947	8935	MIOB2111
8712	miob1762	8768	miob1830	8824	miob1888	8880	miob1949	8936	MIOB2112
8713	miob1763	8769	miob1831	8825	miob1889	8881	miob1950	8937	MIOB2113
8714	miob1764	8770	miob1832	8826	miob1890	8882	miob1951	8938	MIOB2114
8715	miob1765	8771	miob1833	8827	miob1891	8883	miob1952	8939	MIOB2115
8716	miob1767	8772	miob1834	8828	miob1892	8884	miob1953	8940	MIOB2116
8717	miob1768	8773	miob1835	8829	miob1893	8885	miob1954	8941	MIOB2117
8718	miob1769	8774	miob1836	8830	miob1894	8886	miob1955	8942	MIOB2118
8719	miob1770	8775	miob1837	8831	miob1895	8887	miob1956	8943	miob2119n
8720	miob1771	8776	miob1838	8832	miob1896	8888	miob1957	8944	MIOB2120
8721	miob1772	8777	miob1839	8833	miob1897	8889	miob1958	8945	MIOB2121
8722	miob1774	8778	miob1840	8834	miob1898	8890	miob1959	8946	MIOB2122
8723	miob1775	8779	miob1841	8835	miob1899	8891	miob1960	8947	MIOB2123
8724	miob1776	8780	miob1842n	8836	miob1900	8892	miob1961	8948	MIOB2124
8725	miob1777	8781	miob1843	8837	miob1901	8893	miob1962	8949	MIOB2125
8726	miob1778	8782	miob1844	8838	miob1902	8894	miob1963	8950	MIOB2126
8727	miob1781	8783	miob1845	8839	miob1903	8895	miob1964	8951	miob2127
8728	miob1783	8784	miob1846	8840	miob1904	8896	miob1965	8952	MIOB2128
8729	miob1785	8785	miob1847	8841	miob1905	8897	miob1966	8953	MIOB2129
8730	miob1786	8786	miob1848	8842	miob1906	8898	miob1967	8954	MIOB2130
8731	miob1787	8787	miob1849	8843	miob1907	8899	miob1968	8955	MIOB2131
8732	miob1789	8788	miob1850n	8844	miob1908	8900	miob1969	8956	MIOB2133
8733	miob1791	8789	miob1851	8845	miob1909	8901	MIOB2067	8957	MIOB2134
8734	miob1792	8790	miob1852n	8846	miob1911	8902	MIOB2068	8958	MIOB2135
8735	miob1793	8791	miob1853	8847	miob1912	8903	miob2070n	8959	MIOB2136
8736	miob1794	8792	miob1854	8848	miob1913	8904	miob2072	8960	MIOB2137



Figure 6D – Continued

8961	MIOB2138	9017	MIOB2215	9073	MIOB2306	9129	miob2396	9185	miob2462
8962	MIOB2139	9018	MIOB2216	9074	MIOB2307	9130	miob2397	9186	miob2463
8963	MIOB2140	9019	miob2217	9075	miob2308n	9131	miob2398	9187	miob2464
8964	MIOB2141	9020	MIOB2219	9076	MIOB2309	9132	miob2399	9188	miob2465
8965	MIOB2142	9021	miob2220	9077	MIOB2310	9133	miob2400	9189	miob2466
8966	MIOB2144	9022	MIOB2225	9078	MIOB2311	9134	miob2401	9190	miob2467
8967	MIOB2145	9023	MIOB2226	9079	MIOB2312	9135	miob2402	9191	miob2469
8968	MIOB2146	9024	MIOB2227	9080	MIOB2313	9136	miob2403	9192	miob2470
8969	MIOB2147	9025	MIOB2228	9081	MIOB2314	9137	miob2404	9193	miob2471
8970	MIOB2149	9026	MIOB2229	9082	MIOB2317	9138	miob2405	9194	miob2472
8971	MIOB2150	9027	MIOB2231	9083	MIOB2319	9139	miob2406	9195	miob2473
8972	MIOB2151	9028	MIOB2232	9084	MIOB2324	9140	miob2407	9196	miob2474
8973	MIOB2152	9029	MIOB2233	9085	MIOB2330	9141	miob2408	9197	miob2475
8974	MIOB2153	9030	MIOB2234	9086	MIOB2338	9142	miob2409	9198	miob2477
8975	MIOB2154	9031	MIOB2235	9087	MIOB2341	9143	miob2411	9199	miob2478
8976	MIOB2157	9032	MIOB2239	9088	MIOB2342	9144	miob2412	9200	miob2479
8977	MIOB2158	9033	MIOB2240	9089	MIOB2344	9145	miob2414	9201	miob2480
8978	MIOB2159	9034	miob2241	9090	MIOB2345	9146	miob2415	9202	miob2481
8979	MIOB2163	9035	MIOB2242	9091	miob2353n	9147	miob2416	9203	miob2482
8980	MIOB2164	9036	miob2243	9092	miob2355	9148	miob2418	9204	miob2484
8981	MIOB2166	9037	MIOB2244	9093	miob2356	9149	miob2419	9205	miob2485
8982	MIOB2167	9038	MIOB2247	9094	miob2357n	9150	miob2420	9206	miob2486
8983	MIOB2168	9039	MIOB2248	9095	miob2358	9151	miob2421	9207	miob2487
8984	MIOB2169	9040	MIOB2249	9096	miob2359	9152	miob2422	9208	miob2489
8985	MIOB2172	9041	MIOB2250	9097	miob2360	9153	miob2423	9209	miob2490
8986	MIOB2173	9042	MIOB2252	9098	miob2361	9154	miob2424	9210	miob2491
8987	MIOB2174	9043	MIOB2253	9099	miob2362	9155	miob2425	9211	miob2492
8988	MIOB2175	9044	MIOB2256	9100	miob2363	9156	miob2426	9212	miob2493
8989	MIOB2177	9045	MIOB2257	9101	miob2364	9157	miob2428	9213	miob2494
8990	MIOB2178	9046	MIOB2259	9102	miob2365	9158	miob2429	9214	miob2495
8991	miob2180n	9047	MIOB2261	9103	miob2366	9159	miob2430	9215	miob2496
8992	MIOB2181	9048	miob2262n	9104	miob2367n	9160	miob2431	9216	miob2497
8993	MIOB2183	9049	MIOB2263	9105	miob2368	9161	miob2432	9217	miob2498
8994	MIOB2184	9050	MIOB2265	9106	miob2369n	9162	miob2433	9218	miob2499
8995	MIOB2185	9051	MIOB2267	9107	miob2371	9163	miob2434	9219	miob2500
8996	miob2186	9052	MIOB2269	9108	miob2372	9164	miob2436	9220	miob2502
8997	MIOB2187	9053	MIOB2271	9109	miob2373	9165	miob2437	9221	miob2503
8998	MIOB2188	9054	MIOB2273	9110	miob2374	9166	miob2438	9222	miob2504
8999	MIOB2189	9055	MIOB2274	9111	miob2375	9167	miob2440	9223	miob2505
9000	miob2191	9056	miob2276n	9112	miob2376	9168	miob2442	9224	miob2506
9001	MIOB2192	9057	MIOB2277	9113	miob2377	9169	miob2443	9225	miob2507
9002	MIOB2193	9058	MIOB2279	9114	miob2378	9170	miob2444	9226	miob2508
9003	MIOB2194	9059	MIOB2282	9115	miob2380	9171	miob2445	9227	miob2509
9004	miob2197	9060	miob2284	9116	miob2381	9172	miob2446	9228	miob2510
9005	miob2199	9061	MIOB2285	9117	miob2382	9173	miob2447	9229	miob2511
9006	MIOB2201	9062	MIOB2287	9118	miob2383	9174	miob2448	9230	miob2512
9007	MIOB2202	9063	miob2289n	9119	miob2384	9175	miob2449	9231	miob2514
9008	miob2203	9064	MIOB2291	9120	miob2385	9176	miob2452	9232	miob2515
9009	MIOB2206	9065	MIOB2293	9121	miob2386	9177	miob2453	9233	miob2516
9010	MIOB2207	9066	MIOB2297	9122	miob2387	9178	miob2454	9234	miob2518
9011	MIOB2209	9067	MIOB2299	9123	miob2388	9179	miob2455	9235	miob2519
9012	MIOB2210	9068	MIOB2300	9124	miob2391	9180	miob2456	9236	miob2520
9013	MIOB2211	9069	MIOB2301	9125	miob2392	9181	miob2457	9237	miob2521
9014	MIOB2212	9070	MIOB2303	9126	miob2393	9182	miob2458	9238	miob2522
9015	MIOB2213	9071	MIOB2304	9127	miob2394	9183	miob2459n	9239	miob2523
9016	MIOB2214	9072	MIOB2305	9128	miob2395	9184	miob2461	9240	miob2526

Figure 6D – Continued

9241	miob2527	9297	MIOB2594	9353	MIOB2670	9409	MIOB2752	9465	MIOB2843
9242	miob2528	9298	MIOB2595	9354	MIOB2671	9410	MIOB2753	9466	MIOB2845
9243	miob2530	9299	MIOB2596	9355	miob2672n	9411	MIOB2754	9467	MIOB2846
9244	miob2531	9300	MIOB2597	9356	MIOB2673	9412	miob2755n	9468	MIOB2847
9245	miob2532	9301	MIOB2599	9357	MIOB2674	9413	MIOB2756	9469	MIOB2849
9246	miob2533	9302	MIOB2600	9358	MIOB2675	9414	MIOB2757	9470	MIOB2850
9247	miob2534	9303	MIOB2601	9359	MIOB2676	9415	MIOB2759	9471	MIOB2851
9248	miob2535	9304	MIOB2602	9360	miob2677n	9416	MIOB2761	9472	MIOB2852
9249	miob2536	9305	MIOB2603	9361	MIOB2679	9417	MIOB2762	9473	MIOB2853
9250	miob2537	9306	MIOB2605	9362	MIOB2682	9418	MIOB2763	9474	MIOB2854
9251	miob2538	9307	MIOB2606	9363	MIOB2683	9419	MIOB2768	9475	MIOB2855
9252	miob2539	9308	miob2607	9364	MIOB2684	9420	MIOB2770	9476	MIOB2856
9253	miob2540	9309	MIOB2609	9365	MIOB2685	9421	MIOB2771	9477	MIOB2857
9254	miob2541	9310	MIOB2610	9366	MIOB2686	9422	miob2776n	9478	MIOB2858
9255	miob2542	9311	MIOB2611	9367	MIOB2687	9423	MIOB2780	9479	MIOB2859
9256	miob2543	9312	MIOB2612	9368	MIOB2688	9424	MIOB2781	9480	MIOB2860
9257	miob2544	9313	MIOB2613	9369	MIOB2691	9425	MIOB2787	9481	MIOB2861
9258	miob2545	9314	MIOB2615	9370	MIOB2692	9426	MIOB2788	9482	MIOB2862
9259	MIOB2547	9315	MIOB2616	9371	MIOB2693	9427	MIOB2789	9483	MIOB2864
9260	MIOB2548	9316	MIOB2617	9372	MIOB2695	9428	MIOB2795	9484	MIOB2865
9261	MIOB2549	9317	MIOB2619	9373	MIOB2698	9429	MIOB2796	9485	MIOB2866
9262	MIOB2551	9318	MIOB2620	9374	MIOB2699	9430	MIOB2798	9486	MIOB2867
9263	MIOB2553	9319	MIOB2621	9375	MIOB2700	9431	miob2800	9487	MIOB2868
9264	MIOB2554	9320	MIOB2622	9376	MIOB2701	9432	MIOB2802	9488	MIOB2869
9265	MIOB2556	9321	MIOB2623	9377	MIOB2703	9433	MIOB2803	9489	MIOB2870
9266	MIOB2557	9322	miob2624	9378	MIOB2705	9434	MIOB2804	9490	MIOB2872
9267	MIOB2559	9323	MIOB2626	9379	MIOB2707	9435	MIOB2805	9491	MIOB2874
9268	MIOB2561	9324	MIOB2627	9380	MIOB2708	9436	MIOB2806	9492	MIOB2875
9269	MIOB2563	9325	miob2629	9381	MIOB2709	9437	MIOB2807	9493	miob2876
9270	MIOB2564	9326	MIOB2630	9382	MIOB2711	9438	MIOB2808	9494	miob2877
9271	MIOB2565	9327	MIOB2631	9383	MIOB2712	9439	miob2810n	9495	miob2878
9272	MIOB2566	9328	MIOB2634	9384	MIOB2714	9440	MIOB2811	9496	miob2879
9273	MIOB2567	9329	MIOB2635	9385	MIOB2715	9441	MIOB2812	9497	miob2881
9274	MIOB2568	9330	MIOB2636	9386	MIOB2716	9442	MIOB2814	9498	miob2882
9275	MIOB2569	9331	miob2639n	9387	MIOB2717	9443	MIOB2817	9499	miob2883
9276	MIOB2570	9332	MIOB2641	9388	MIOB2718	9444	MIOB2818	9500	miob2884
9277	MIOB2571	9333	MIOB2642	9389	MIOB2720	9445	MIOB2819	9501	miob2885
9278	MIOB2573	9334	MIOB2643	9390	MIOB2721	9446	MIOB2821	9502	miob2886
9279	MIOB2574	9335	MIOB2644	9391	MIOB2723	9447	MIOB2822	9503	miob2887
9280	MIOB2575	9336	MIOB2645	9392	MIOB2724	9448	MIOB2823	9504	miob2888
9281	miob2576n	9337	MIOB2646	9393	MIOB2725	9449	MIOB2824	9505	miob2889
9282	MIOB2577	9338	miob2647	9394	MIOB2727	9450	MIOB2825	9506	miob2896
9283	MIOB2578	9339	MIOB2648	9395	MIOB2728	9451	MIOB2826	9507	miob2897
9284	MIOB2579	9340	MIOB2650	9396	MIOB2731	9452	MIOB2827	9508	miob2898
9285	MIOB2581	9341	MIOB2651	9397	MIOB2733	9453	MIOB2828	9509	miob2899
9286	miob2582n	9342	MIOB2652	9398	MIOB2735	9454	MIOB2829	9510	miob2900
9287	MIOB2583	9343	miob2655n	9399	MIOB2736	9455	MIOB2831	9511	miob2901
9288	MIOB2584	9344	MIOB2656	9400	MIOB2737	9456	MIOB2833	9512	miob2902
9289	MIOB2585	9345	MIOB2658	9401	MIOB2739	9457	MIOB2834	9513	miob2903
9290	MIOB2586	9346	MIOB2660	9402	MIOB2740	9458	MIOB2835	9514	miob2904
9291	MIOB2587	9347	MIOB2664	9403	MIOB2743	9459	MIOB2836	9515	miob2905
9292	MIOB2588	9348	MIOB2665	9404	miob2744n	9460	MIOB2837	9516	miob2906
9293	MIOB2589	9349	MIOB2666	9405	MIOB2745	9461	miob2839n	9517	miob2907
9294	MIOB2591	9350	MIOB2667	9406	MIOB2746	9462	MIOB2840	9518	miob2908
9295	MIOB2592	9351	MIOB2668	9407	MIOB2750	9463	MIOB2841	9519	miob2909
9296	MIOB2593	9352	MIOB2669	9408	MIOB2751	9464	MIOB2842	9520	miob2910

Figure 6D – Continued

9521	miob2911	9577	miob2969	9633	miob3029	9689	miob3090	9745	miob3158
9522	miob2912	9578	miob2970	9634	miob3030	9690	miob3091	9746	miob3159
9523	miob2913	9579	miob2971	9635	miob3032	9691	miob3092	9747	miob3160
9524	miob2914	9580	miob2972	9636	miob3033	9692	miob3093	9748	miob3161
9525	miob2915	9581	miob2973	9637	miob3034	9693	miob3094	9749	miob3162
9526	miob2916	9582	miob2974	9638	miob3035	9694	miob3095	9750	miob3163
9527	miob2917	9583	miob2975	9639	miob3036	9695	miob3096	9751	miob3164
9528	miob2918	9584	miob2976	9640	miob3037	9696	miob3097	9752	miob3165
9529	miob2919	9585	miob2977	9641	miob3038	9697	miob3098	9753	miob3166
9530	miob2920	9586	miob2978	9642	miob3040	9698	miob3100	9754	miob3167
9531	miob2921	9587	miob2979	9643	miob3041	9699	miob3101	9755	miob3168
9532	miob2922	9588	miob2980	9644	miob3042	9700	miob3102	9756	miob3169
9533	miob2923	9589	miob2981	9645	miob3043	9701	miob3103	9757	miob3170
9534	miob2925	9590	miob2982	9646	miob3044	9702	miob3105	9758	miob3171
9535	miob2926	9591	miob2984	9647	miob3045	9703	miob3106	9759	miob3172
9536	miob2927	9592	miob2985	9648	miob3046	9704	miob3107	9760	miob3173
9537	miob2928	9593	miob2986	9649	miob3047	9705	miob3113	9761	miob3174
9538	miob2929	9594	miob2987	9650	miob3048	9706	miob3116	9762	miob3175
9539	miob2930	9595	miob2988	9651	miob3049	9707	miob3117	9763	miob3176
9540	miob2931	9596	miob2989	9652	miob3050	9708	miob3118	9764	miob3177
9541	miob2932	9597	miob2990	9653	miob3051	9709	miob3119	9765	miob3178
9542	miob2933	9598	miob2991	9654	miob3052	9710	miob3120	9766	miob3179
9543	miob2934	9599	miob2992	9655	miob3053	9711	miob3121	9767	miob3180
9544	miob2935	9600	miob2993	9656	miob3054	9712	miob3122	9768	miob3181
9545	miob2936	9601	miob2994	9657	miob3055	9713	miob3124	9769	miob3182
9546	miob2937	9602	miob2995	9658	miob3056	9714	miob3125	9770	miob3183
9547	miob2938	9603	miob2996	9659	miob3057	9715	miob3126	9771	miob3184
9548	miob2939	9604	miob2997	9660	miob3058	9716	miob3127	9772	miob3185
9549	miob2941	9605	miob2998	9661	miob3059	9717	miob3128	9773	miob3186
9550	miob2942	9606	miob2999	9662	miob3060	9718	miob3129	9774	miob3187
9551	miob2943	9607	miob3001	9663	miob3062	9719	miob3130	9775	miob3188
9552	miob2944	9608	miob3002	9664	miob3063	9720	miob3131	9776	miob3189
9553	miob2945	9609	miob3003	9665	miob3064	9721	miob3132	9777	miob3190
9554	miob2946	9610	miob3004	9666	miob3065	9722	miob3133	9778	miob3191
9555	miob2947	9611	miob3005	9667	miob3066	9723	miob3134	9779	miob3192
9556	miob2948	9612	miob3007	9668	miob3068	9724	miob3135	9780	miob3193
9557	miob2949	9613	miob3008	9669	miob3069	9725	miob3137	9781	miob3194
9558	miob2950	9614	miob3009	9670	miob3070	9726	miob3138	9782	miob3195
9559	miob2951	9615	miob3010	9671	miob3071	9727	miob3139	9783	miob3196
9560	miob2952	9616	miob3011	9672	miob3072	9728	miob3140	9784	miob3197
9561	miob2953	9617	miob3012	9673	miob3073	9729	miob3141	9785	miob3198
9562	miob2954	9618	miob3013	9674	miob3074	9730	miob3142	9786	miob3199
9563	miob2955	9619	miob3014	9675	miob3075	9731	miob3143	9787	miob3200
9564	miob2956	9620	miob3015	9676	miob3076	9732	miob3144	9788	miob3201
9565	miob2957	9621	miob3016	9677	miob3077	9733	miob3145	9789	miob3202
9566	miob2958	9622	miob3017	9678	miob3078	9734	miob3146	9790	miob3203
9567	miob2959	9623	miob3018	9679	miob3079	9735	miob3147	9791	miob3204
9568	miob2960	9624	miob3019	9680	miob3080	9736	miob3148	9792	miob3205
9569	miob2961	9625	miob3020	9681	miob3081	9737	miob3149	9793	miob3206
9570	miob2962	9626	miob3021	9682	miob3082	9738	miob3150	9794	miob3207
9571	miob2963	9627	miob3022	9683	miob3083	9739	miob3151	9795	miob3208
9572	miob2964	9628	miob3024	9684	miob3084	9740	miob3152	9796	miob3209
9573	miob2965	9629	miob3025	9685	miob3085	9741	miob3153	9797	miob3210
9574	miob2966	9630	miob3026	9686	miob3086	9742	miob3155	9798	miob3211
9575	miob2967	9631	miob3027	9687	miob3088	9743	miob3156	9799	miob3212
9576	miob2968	9632	miob3028	9688	miob3089	9744	miob3157	9800	miob3213

Figure 6D – Continued

9801	miob3214	9857	miob3275	9913	miob3345	9969	miob3408	10025	miob3467
9802	miob3215	9858	miob3276	9914	miob3348	9970	miob3410	10026	miob3468
9803	miob3216	9859	miob3278	9915	miob3349	9971	miob3411	10027	miob3469
9804	miob3217	9860	miob3279	9916	miob3350	9972	miob3412	10028	miob3470
9805	miob3218	9861	miob3280	9917	miob3351	9973	miob3413	10029	miob3471
9806	miob3219	9862	miob3281	9918	miob3352	9974	miob3414	10030	miob3472
9807	miob3220	9863	miob3283	9919	miob3353	9975	miob3415	10031	miob3473
9808	miob3221	9864	miob3284	9920	miob3354	9976	miob3416	10032	miob3474
9809	miob3222	9865	miob3285	9921	miob3355	9977	miob3417	10033	miob3475
9810	miob3223	9866	miob3286	9922	miob3356	9978	miob3418	10034	miob3476
9811	miob3224	9867	miob3287	9923	miob3357	9979	miob3419	10035	miob3477
9812	miob3225	9868	miob3288	9924	miob3358	9980	miob3420	10036	miob3478
9813	miob3228	9869	miob3289	9925	miob3359	9981	miob3421	10037	miob3479
9814	miob3229	9870	miob3290	9926	miob3360	9982	miob3423	10038	miob3480
9815	miob3230	9871	miob3291	9927	miob3361	9983	miob3424	10039	miob3482
9816	miob3231	9872	miob3295	9928	miob3363	9984	miob3425	10040	miob3483
9817	miob3232	9873	miob3296	9929	miob3364	9985	miob3426	10041	miob3484
9818	miob3233	9874	miob3297	9930	miob3365	9986	miob3427	10042	miob3485
9819	miob3234	9875	miob3298	9931	miob3366	9987	miob3428	10043	miob3486
9820	miob3235	9876	miob3299	9932	miob3367	9988	miob3429	10044	miob3487
9821	miob3236	9877	miob3300	9933	miob3368	9989	miob3430	10045	miob3488
9822	miob3238	9878	miob3301	9934	miob3369	9990	miob3431	10046	miob3489
9823	miob3239	9879	miob3306	9935	miob3370	9991	miob3432	10047	miob3491
9824	miob3240	9880	miob3307	9936	miob3371	9992	miob3433	10048	miob3492
9825	miob3241	9881	miob3308	9937	miob3372	9993	miob3434	10049	miob3493
9826	miob3242	9882	miob3309	9938	miob3373	9994	miob3435	10050	miob3494
9827	miob3243	9883	miob3310	9939	miob3374	9995	miob3437	10051	miob3496
9828	miob3244	9884	miob3311	9940	miob3375	9996	miob3438	10052	miob3498
9829	miob3245	9885	miob3312	9941	miob3376	9997	miob3439	10053	miob3501
9830	miob3246	9886	miob3313	9942	miob3377	9998	miob3440	10054	miob3502
9831	miob3247	9887	miob3314	9943	miob3378	9999	miob3441	10055	miob3507
9832	miob3248	9888	miob3315	9944	miob3380	10000	miob3442	10056	miob3508
9833	miob3249	9889	miob3316	9945	miob3381	10001	miob3443	10057	miob3531
9834	miob3250	9890	miob3317	9946	miob3382	10002	miob3444	10058	miob3532
9835	miob3251	9891	miob3319	9947	miob3383	10003	miob3445	10059	miob3534
9836	miob3252	9892	miob3320	9948	miob3384	10004	miob3446	10060	miob3537
9837	miob3253	9893	miob3321	9949	miob3385	10005	miob3447	10061	miob3540
9838	miob3254	9894	miob3322	9950	miob3386	10006	miob3448	10062	miob3542
9839	miob3255	9895	miob3323	9951	miob3387	10007	miob3449	10063	miob3546
9840	miob3256	9896	miob3324	9952	miob3388	10008	miob3450	10064	miob3547
9841	miob3257	9897	miob3325	9953	miob3389	10009	miob3451	10065	miob3548
9842	miob3258	9898	miob3326	9954	miob3391	10010	miob3452	10066	miob3549
9843	miob3259	9899	miob3328	9955	miob3392	10011	miob3453	10067	miob3552
9844	miob3261	9900	miob3329	9956	miob3394	10012	miob3454	10068	miob3553
9845	miob3262	9901	miob3330	9957	miob3395	10013	miob3455	10069	miob3558
9846	miob3263	9902	miob3331	9958	miob3396	10014	miob3456	10070	miob3560
9847	miob3264	9903	miob3333	9959	miob3397	10015	miob3457	10071	miob3561
9848	miob3265	9904	miob3334	9960	miob3398	10016	miob3458	10072	miob3562
9849	miob3266	9905	miob3335	9961	miob3399	10017	miob3459	10073	miob3564
9850	miob3267	9906	miob3336	9962	miob3401	10018	miob3460	10074	miob3565
9851	miob3268	9907	miob3337	9963	miob3402	10019	miob3461	10075	miob3566
9852	miob3269	9908	miob3338	9964	miob3403	10020	miob3462	10076	miob3567
9853	miob3270	9909	miob3339	9965	miob3404	10021	miob3463	10077	miob3568
9854	miob3271	9910	miob3340	9966	miob3405	10022	miob3464	10078	miob3571
9855	miob3272	9911	miob3342	9967	miob3406	10023	miob3465	10079	miob3573
9856	miob3273	9912	miob3344	9968	miob3407	10024	miob3466	10080	miob3577

Figure 6D - Continued

10081	miob3583	10137	miob3651	10193	miob3721	10249	miob3788	10305	miob3851
10082	miob3586	10138	miob3652	10194	miob3722	10250	miob3789	10306	miob3853
10083	miob3588	10139	miob3655	10195	miob3723	10251	miob3790	10307	miob3854
10084	miob3590	10140	miob3656	10196	miob3724	10252	miob3791	10308	miob3855
10085	miob3591	10141	miob3657	10197	miob3725	10253	miob3792	10309	miob3856
10086	miob3592	10142	miob3658	10198	miob3726	10254	miob3793	10310	miob3857
10087	miob3593	10143	miob3659	10199	miob3727	10255	miob3794	10311	miob3858
10088	miob3594	10144	miob3660	10200	miob3728	10256	miob3796	10312	miob3859
10089	miob3595	10145	miob3661	10201	miob3729	10257	miob3797	10313	miob3860
10090	miob3596	10146	miob3662	10202	miob3731	10258	miob3798	10314	miob3861
10091	miob3597	10147	miob3663	10203	miob3732	10259	miob3799	10315	miob3862
10092	miob3598	10148	miob3664	10204	miob3733	10260	miob3800	10316	miob3863
10093	miob3600	10149	miob3665	10205	miob3735	10261	miob3802	10317	miob3865
10094	miob3601	10150	miob3666	10206	miob3736	10262	miob3803	10318	miob3867
10095	miob3602	10151	miob3668	10207	miob3739	10263	miob3804	10319	miob3868
10096	miob3604	10152	miob3669	10208	miob3741	10264	miob3805	10320	miob3869
10097	miob3605	10153	miob3672	10209	miob3742	10265	miob3808	10321	miob3870
10098	miob3606	10154	miob3674	10210	miob3743	10266	miob3809	10322	miob3871
10099	miob3608	10155	miob3676	10211	miob3744	10267	miob3810	10323	miob3872
10100	miob3609	10156	miob3677	10212	miob3745	10268	miob3811	10324	miob3873
10101	miob3610	10157	miob3678	10213	miob3746	10269	miob3812	10325	miob3874
10102	miob3611	10158	miob3679	10214	miob3748	10270	miob3813	10326	miob3875
10103	miob3612	10159	miob3680	10215	miob3749	10271	miob3814	10327	miob3876
10104	miob3613	10160	miob3681	10216	miob3750	10272	miob3816	10328	miob3877
10105	miob3614	10161	miob3682	10217	miob3751	10273	miob3818	10329	miob3878
10106	miob3617	10162	miob3683	10218	miob3752	10274	miob3819	10330	miob3879
10107	miob3618	10163	miob3684	10219	miob3753	10275	miob3820	10331	miob3880
10108	miob3619	10164	miob3687	10220	miob3754	10276	miob3821	10332	miob3881
10109	miob3620	10165	miob3688	10221	miob3755	10277	miob3822	10333	miob3882
10110	miob3621	10166	miob3689	10222	miob3756	10278	miob3823	10334	miob3883
10111	miob3622	10167	miob3690	10223	miob3757	10279	miob3824	10335	miob3884
10112	miob3623	10168	miob3691	10224	miob3758	10280	miob3825	10336	miob3885
10113	miob3624	10169	miob3692	10225	miob3759	10281	miob3826	10337	miob3886
10114	miob3625	10170	miob3693	10226	miob3760	10282	miob3828	10338	miob3887
10115	miob3626	10171	miob3695	10227	miob3761	10283	miob3829	10339	miob3888
10116	miob3627	10172	miob3696	10228	miob3762	10284	miob3830	10340	miob3889
10117	miob3628	10173	miob3697	10229	miob3763	10285	miob3831	10341	miob3890
10118	miob3629	10174	miob3698	10230	miob3765	10286	miob3832	10342	miob3891
10119	miob3630	10175	miob3700	10231	miob3766	10287	miob3833	10343	miob3892
10120	miob3631	10176	miob3701	10232	miob3767	10288	miob3834	10344	miob3893
10121	miob3632	10177	miob3702	10233	miob3768	10289	miob3835	10345	miob3894
10122	miob3634	10178	miob3703	10234	miob3769	10290	miob3836	10346	miob3895
10123	miob3636	10179	miob3704	10235	miob3770	10291	miob3837	10347	miob3896
10124	miob3637	10180	miob3705	10236	miob3771	10292	miob3838	10348	miob3897
10125	miob3638	10181	miob3706	10237	miob3773	10293	miob3839	10349	miob3898
10126	miob3639	10182	miob3707	10238	miob3774	10294	miob3840	10350	miob3899
10127	miob3640	10183	miob3708	10239	miob3775	10295	miob3841	10351	miob3900
10128	miob3641	10184	miob3709	10240	miob3776	10296	miob3842	10352	miob3901
10129	miob3642	10185	miob3710	10241	miob3777	10297	miob3843	10353	miob3902
10130	miob3643	10186	miob3712	10242	miob3778	10298	miob3844	10354	miob3904
10131	miob3644	10187	miob3713	10243	miob3779	10299	miob3845	10355	miob3905
10132	miob3645	10188	miob3714	10244	miob3781	10300	miob3846	10356	miob3906
10133	miob3646	10189	miob3715	10245	miob3782	10301	miob3847	10357	miob3907
10134	miob3648	10190	miob3716	10246	miob3784	10302	miob3848	10358	miob3908
10135	miob3649	10191	miob3718	10247	miob3785	10303	miob3849	10359	miob3909
10136	miob3650	10192	miob3719	10248	miob3787	10304	miob3850	10360	miob3910

Figure 6D - Continued

10361	miob3911	10417	miob3974	10473	miob4034	10529	miob4096	10585	miob4159
10362	miob3912	10418	miob3975	10474	miob4035	10530	miob4097	10586	miob4160
10363	miob3913	10419	miob3976	10475	miob4036	10531	miob4098	10587	miob4162
10364	miob3914	10420	miob3977	10476	miob4037	10532	miob4099	10588	miob4163
10365	miob3915	10421	miob3978	10477	miob4038	10533	miob4100	10589	miob4165
10366	miob3916	10422	miob3979	10478	miob4039	10534	miob4101	10590	miob4166
10367	miob3917	10423	miob3980	10479	miob4040	10535	miob4102	10591	miob4167
10368	miob3918	10424	miob3981	10480	miob4043	10536	miob4103	10592	miob4168
10369	miob3919	10425	miob3982	10481	miob4045	10537	miob4104	10593	miob4169
10370	miob3920	10426	miob3983	10482	miob4046	10538	miob4106	10594	miob4171
10371	miob3921	10427	miob3984	10483	miob4047	10539	miob4108	10595	miob4172
10372	miob3923	10428	miob3985	10484	miob4048	10540	miob4109	10596	miob4173
10373	miob3925	10429	miob3986	10485	miob4049	10541	miob4110	10597	miob4174
10374	miob3926	10430	miob3987	10486	miob4050	10542	miob4111	10598	miob4175
10375	miob3927	10431	miob3988	10487	miob4051	10543	miob4112	10599	miob4176
10376	miob3928	10432	miob3989	10488	miob4052	10544	miob4114	10600	miob4177
10377	miob3929	10433	miob3990	10489	miob4053	10545	miob4116	10601	miob4178
10378	miob3930	10434	miob3991	10490	miob4054	10546	miob4117	10602	miob4181
10379	miob3932	10435	miob3992	10491	miob4055	10547	miob4119	10603	miob4182
10380	miob3933	10436	miob3993	10492	miob4056	10548	miob4120	10604	miob4183
10381	miob3934	10437	miob3994	10493	miob4057	10549	miob4121	10605	miob4184
10382	miob3935	10438	miob3995	10494	miob4058	10550	miob4122	10606	miob4185
10383	miob3937	10439	miob3996	10495	miob4059	10551	miob4124	10607	miob4186
10384	miob3938	10440	miob4000	10496	miob4060	10552	miob4125	10608	miob4187
10385	miob3939	10441	miob4001	10497	miob4061	10553	miob4126	10609	miob4188
10386	miob3940	10442	miob4002	10498	miob4062	10554	miob4127	10610	miob4189
10387	miob3941	10443	miob4003	10499	miob4064	10555	miob4128	10611	miob4190
10388	miob3942	10444	miob4004	10500	miob4065	10556	miob4129	10612	miob4192
10389	miob3943	10445	miob4005	10501	miob4066	10557	miob4130	10613	miob4194
10390	miob3944	10446	miob4006	10502	miob4067	10558	miob4131	10614	miob4195
10391	miob3945	10447	miob4007	10503	miob4068	10559	miob4132	10615	miob4196
10392	miob3946	10448	miob4008	10504	miob4069	10560	miob4133	10616	miob4197
10393	miob3947	10449	miob4009	10505	miob4070	10561	miob4134	10617	miob4198
10394	miob3948	10450	miob4010	10506	miob4071	10562	miob4135	10618	miob4199
10395	miob3950	10451	miob4011	10507	miob4073	10563	miob4136	10619	miob4200
10396	miob3951	10452	miob4012	10508	miob4074	10564	miob4137	10620	miob4201
10397	miob3952	10453	miob4013	10509	miob4075	10565	miob4138	10621	miob4202
10398	miob3953	10454	miob4014	10510	miob4076	10566	miob4139	10622	miob4203
10399	miob3954	10455	miob4015	10511	miob4077	10567	miob4140	10623	miob4204
10400	miob3955	10456	miob4016	10512	miob4078	10568	miob4141	10624	miob4205
10401	miob3956	10457	miob4017	10513	miob4079	10569	miob4142	10625	miob4206
10402	miob3958	10458	miob4019	10514	miob4080	10570	miob4143	10626	miob4207
10403	miob3959	10459	miob4020	10515	miob4081	10571	miob4144	10627	miob4208
10404	miob3960	10460	miob4021	10516	miob4082	10572	miob4145	10628	miob4210
10405	miob3961	10461	miob4022	10517	miob4083	10573	miob4146	10629	miob4211
10406	miob3962	10462	miob4023	10518	miob4084	10574	miob4147	10630	miob4212
10407	miob3963	10463	miob4024	10519	miob4085	10575	miob4148	10631	miob4213
10408	miob3964	10464	miob4025	10520	miob4086	10576	miob4149	10632	miob4214
10409	miob3965	10465	miob4026	10521	miob4087	10577	miob4150	10633	miob4217
10410	miob3966	10466	miob4027	10522	miob4088	10578	miob4151	10634	miob4218
10411	miob3967	10467	miob4028	10523	miob4089	10579	miob4152	10635	miob4220
10412	miob3968	10468	miob4029	10524	miob4090	10580	miob4153	10636	miob4221
10413	miob3969	10469	miob4030	10525	miob4091	10581	miob4154	10637	miob4222
10414	miob3970	10470	miob4031	10526	miob4092	10582	miob4156	10638	miob4223
10415	miob3972	10471	miob4032	10527	miob4093	10583	miob4157	10639	miob4224
10416	miob3973	10472	miob4033	10528	miob4094	10584	miob4158	10640	miob4225

Figure 6D – Continued

10641	miob4226	10697	miob4289	10753	miob4354	10809	miob4418	10865	miob4485
10642	miob4227	10698	miob4290	10754	miob4355	10810	miob4419	10866	miob4487
10643	miob4228	10699	miob4291	10755	miob4356	10811	miob4420	10867	miob4488
10644	miob4229	10700	miob4292	10756	miob4357	10812	miob4421	10868	miob4489
10645	miob4230	10701	miob4293	10757	miob4358	10813	miob4422	10869	miob4490
10646	miob4231	10702	miob4294	10758	miob4359	10814	miob4423	10870	miob4492
10647	miob4232	10703	miob4295	10759	miob4360	10815	miob4424	10871	miob4494
10648	miob4234	10704	miob4296	10760	miob4361	10816	miob4425	10872	miob4495
10649	miob4235	10705	miob4297	10761	miob4362	10817	miob4427	10873	miob4496
10650	miob4236	10706	miob4298	10762	miob4363	10818	miob4428	10874	miob4500
10651	miob4237	10707	miob4300	10763	miob4364	10819	miob4429	10875	miob4501
10652	miob4238	10708	miob4302	10764	miob4365	10820	miob4430	10876	miob4503
10653	miob4239	10709	miob4303	10765	miob4367	10821	miob4431	10877	miob4504
10654	miob4240	10710	miob4305	10766	miob4368	10822	miob4433	10878	miob4505
10655	miob4242	10711	miob4306	10767	miob4369	10823	miob4434	10879	miob4506
10656	miob4243	10712	miob4307	10768	miob4370	10824	miob4435	10880	miob4507
10657	miob4244	10713	miob4308	10769	miob4371	10825	miob4436	10881	miob4508
10658	miob4245	10714	miob4309	10770	miob4373	10826	miob4437	10882	miob4509
10659	miob4246	10715	miob4310	10771	miob4374	10827	miob4438	10883	miob4511
10660	miob4248	10716	miob4311	10772	miob4377	10828	miob4439	10884	miob4512
10661	miob4249	10717	miob4312	10773	miob4378	10829	miob4440	10885	miob4513
10662	miob4250	10718	miob4313	10774	miob4380	10830	miob4441	10886	miob4514
10663	miob4251	10719	miob4314	10775	miob4381	10831	miob4442	10887	miob4516
10664	miob4252	10720	miob4315	10776	miob4382	10832	miob4443	10888	miob4518
10665	miob4253	10721	miob4316	10777	miob4384	10833	miob4444	10889	miob4520
10666	miob4254	10722	miob4317	10778	miob4385	10834	miob4445	10890	miob4521
10667	miob4255	10723	miob4318	10779	miob4386	10835	miob4446	10891	miob4522
10668	miob4257	10724	miob4320	10780	miob4387	10836	miob4447	10892	miob4524
10669	miob4258	10725	miob4321	10781	miob4389	10837	miob4448	10893	miob4526
10670	miob4259	10726	miob4322	10782	miob4390	10838	miob4451	10894	miob4527
10671	miob4260	10727	miob4323	10783	miob4391	10839	miob4452	10895	miob4528
10672	miob4261	10728	miob4324	10784	miob4392	10840	miob4456	10896	miob4529
10673	miob4262	10729	miob4326	10785	miob4394	10841	miob4457	10897	miob4530
10674	miob4263	10730	miob4328	10786	miob4395	10842	miob4458	10898	miob4531
10675	miob4264	10731	miob4329	10787	miob4396	10843	miob4459	10899	miob4535
10676	miob4265	10732	miob4330	10788	miob4397	10844	miob4460	10900	miob4536
10677	miob4266	10733	miob4331	10789	miob4398	10845	miob4462	10901	miob4538
10678	miob4267	10734	miob4332	10790	miob4399	10846	miob4463	10902	miob4540
10679	miob4268	10735	miob4333	10791	miob4400	10847	miob4464	10903	miob4541
10680	miob4269	10736	miob4334	10792	miob4401	10848	miob4465	10904	miob4542
10681	miob4270	10737	miob4335	10793	miob4402	10849	miob4466	10905	miob4543
10682	miob4271	10738	miob4336	10794	miob4403	10850	miob4467	10906	miob4545
10683	miob4272	10739	miob4338	10795	miob4404	10851	miob4468	10907	miob4547
10684	miob4273	10740	miob4339	10796	miob4405	10852	miob4469	10908	miob4549
10685	miob4274	10741	miob4340	10797	miob4406	10853	miob4470	10909	miob4550
10686	miob4275	10742	miob4341	10798	miob4407	10854	miob4471	10910	miob4551
10687	miob4276	10743	miob4342	10799	miob4408	10855	miob4473	10911	miob4554
10688	miob4277	10744	miob4343	10800	miob4409	10856	miob4475	10912	miob4555
10689	miob4278	10745	miob4344	10801	miob4410	10857	miob4476	10913	miob4556
10690	miob4279	10746	miob4345	10802	miob4411	10858	miob4477	10914	miob4557
10691	miob4280	10747	miob4346	10803	miob4412	10859	miob4478	10915	miob4558
10692	miob4281	10748	miob4347	10804	miob4413	10860	miob4480	10916	miob4559
10693	miob4282	10749	miob4349	10805	miob4414	10861	miob4481	10917	miob4561
10694	miob4283	10750	miob4351	10806	miob4415	10862	miob4482	10918	miob4563
10695	miob4285	10751	miob4352	10807	miob4416	10863	miob4483	10919	miob4564
10696	miob4286	10752	miob4353	10808	miob4417	10864	miob4484	10920	miob4565

Figure 6D – Continued

10921	miob4566	10977	miob4629	11033	miob4692	11089	miob4759	11145	miob4830
10922	miob4567	10978	miob4630	11034	miob4693	11090	miob4760	11146	miob4832
10923	miob4568	10979	miob4631	11035	miob4694	11091	miob4761	11147	miob4833
10924	miob4569	10980	miob4633	11036	miob4695	11092	miob4762	11148	miob4834
10925	miob4570	10981	miob4634	11037	miob4696	11093	miob4763	11149	miob4835
10926	miob4572	10982	miob4635	11038	miob4697	11094	miob4764	11150	miob4836
10927	miob4573	10983	miob4636	11039	miob4699	11095	miob4765	11151	miob4837
10928	miob4574	10984	miob4637	11040	miob4700	11096	miob4767	11152	miob4838
10929	miob4575	10985	miob4639	11041	miob4701	11097	miob4768	11153	miob4839
10930	miob4576	10986	miob4641	11042	miob4702	11098	miob4770	11154	miob4840
10931	miob4577	10987	miob4642	11043	miob4703	11099	miob4772	11155	miob4841
10932	miob4578	10988	miob4643	11044	miob4704	11100	miob4773	11156	miob4842
10933	miob4579	10989	miob4644	11045	miob4705	11101	miob4774	11157	miob4843
10934	miob4580	10990	miob4645	11046	miob4708	11102	miob4775	11158	miob4844
10935	miob4581	10991	miob4646	11047	miob4709	11103	miob4776	11159	miob4845
10936	miob4582	10992	miob4648	11048	miob4710	11104	miob4777	11160	miob4846
10937	miob4583	10993	miob4649	11049	miob4712	11105	miob4778	11161	miob4847
10938	miob4584	10994	miob4651	11050	miob4713	11106	miob4779	11162	miob4848
10939	miob4586	10995	miob4652	11051	miob4714	11107	miob4780	11163	miob4849
10940	miob4588	10996	miob4653	11052	miob4715	11108	miob4781	11164	miob4850
10941	miob4589	10997	miob4654	11053	miob4716	11109	miob4782	11165	miob4851
10942	miob4590	10998	miob4655	11054	miob4717	11110	miob4783	11166	miob4852
10943	miob4591	10999	miob4656	11055	miob4719	11111	miob4784	11167	miob4853
10944	miob4592	11000	miob4657	11056	miob4720	11112	miob4786	11168	miob4854
10945	miob4593	11001	miob4658	11057	miob4721	11113	miob4787	11169	miob4855
10946	miob4594	11002	miob4659	11058	miob4722	11114	miob4788	11170	miob4856
10947	miob4595	11003	miob4661	11059	miob4723	11115	miob4791	11171	miob4857
10948	miob4596	11004	miob4662	11060	miob4724	11116	miob4792	11172	miob4858
10949	miob4597	11005	miob4663	11061	miob4725	11117	miob4793	11173	miob4859
10950	miob4598	11006	miob4664	11062	miob4726	11118	miob4794	11174	miob4860
10951	miob4599	11007	miob4665	11063	miob4727	11119	miob4796	11175	miob4861
10952	miob4600	11008	miob4666	11064	miob4729	11120	miob4797	11176	miob4862
10953	miob4601	11009	miob4667	11065	miob4730	11121	miob4798	11177	miob4863
10954	miob4602	11010	miob4668	11066	miob4733	11122	miob4801	11178	miob4864
10955	miob4603	11011	miob4669	11067	miob4735	11123	miob4802	11179	miob4866
10956	miob4604	11012	miob4670	11068	miob4736	11124	miob4803	11180	miob4867
10957	miob4606	11013	miob4671	11069	miob4737	11125	miob4806	11181	miob4869
10958	miob4607	11014	miob4672	11070	miob4738	11126	miob4807	11182	miob4870
10959	miob4608	11015	miob4673	11071	miob4739	11127	miob4808	11183	miob4871
10960	miob4609	11016	miob4674	11072	miob4740	11128	miob4809	11184	miob4872
10961	miob4610	11017	miob4675	11073	miob4741	11129	miob4810	11185	miob4873
10962	miob4611	11018	miob4676	11074	miob4742	11130	miob4811	11186	miob4874
10963	miob4612	11019	miob4677	11075	miob4743	11131	miob4812	11187	miob4875
10964	miob4613	11020	miob4678	11076	miob4744	11132	miob4813	11188	miob4876
10965	miob4615	11021	miob4679	11077	miob4745	11133	miob4815	11189	miob4877
10966	miob4616	11022	miob4680	11078	miob4746	11134	miob4816	11190	miob4878
10967	miob4617	11023	miob4681	11079	miob4748	11135	miob4817	11191	miob4879
10968	miob4619	11024	miob4682	11080	miob4750	11136	miob4818	11192	miob4882
10969	miob4620	11025	miob4684	11081	miob4751	11137	miob4819	11193	miob4883
10970	miob4621	11026	miob4685	11082	miob4752	11138	miob4820	11194	miob4884
10971	miob4622	11027	miob4686	11083	miob4753	11139	miob4821	11195	miob4885
10972	miob4623	11028	miob4687	11084	miob4754	11140	miob4822	11196	miob4886
10973	miob4624	11029	miob4688	11085	miob4755	11141	miob4824	11197	miob4887
10974	miob4625	11030	miob4689	11086	miob4756	11142	miob4825	11198	miob4889
10975	miob4627	11031	miob4690	11087	miob4757	11143	miob4826	11199	miob4890
10976	miob4628	11032	miob4691	11088	miob4758	11144	miob4828	11200	miob4891



Figure 6D – Continued

11201	miob4892	11257	miob4964	11313	miob5028	11369	miob5101	11425	miob5451
11202	miob4893	11258	miob4965	11314	miob5029	11370	miob5102	11426	miob5452
11203	miob4894	11259	miob4966	11315	miob5031	11371	miob5104	11427	miob5453
11204	miob4895	11260	miob4967	11316	miob5032	11372	miob5105	11428	miob5454
11205	miob4896	11261	miob4968	11317	miob5034	11373	miob5107	11429	miob5456
11206	miob4897	11262	miob4969	11318	miob5035	11374	miob5108	11430	miob5458
11207	miob4899	11263	miob4970	11319	miob5036	11375	miob5109	11431	miob5459
11208	miob4900	11264	miob4971	11320	miob5037	11376	miob5110	11432	miob5460
11209	miob4902	11265	miob4973	11321	miob5038	11377	miob5111	11433	miob5461
11210	miob4906	11266	miob4974	11322	miob5040	11378	miob5112	11434	miob5462
11211	miob4907	11267	miob4975	11323	miob5041	11379	miob5114	11435	miob5463
11212	miob4908	11268	miob4976	11324	miob5043	11380	miob5115	11436	miob5464
11213	miob4909	11269	miob4977	11325	miob5044	11381	miob5116	11437	miob5465
11214	miob4910	11270	miob4978	11326	miob5045	11382	miob5117	11438	miob5467
11215	miob4911	11271	miob4979	11327	miob5046	11383	miob5118	11439	miob5469
11216	miob4912	11272	miob4980	11328	miob5047	11384	miob5119	11440	miob5470
11217	miob4913	11273	miob4981	11329	miob5048	11385	miob5120	11441	miob5472
11218	miob4914	11274	miob4983	11330	miob5049	11386	miob5122	11442	miob5474
11219	miob4915	11275	miob4984	11331	miob5050	11387	miob5123	11443	miob5475
11220	miob4917	11276	miob4985	11332	miob5051	11388	miob5124	11444	miob5476
11221	miob4918	11277	miob4987	11333	miob5054	11389	miob5125	11445	miob5477
11222	miob4919	11278	miob4988	11334	miob5055	11390	miob5126	11446	miob5478
11223	miob4920	11279	miob4989	11335	miob5056	11391	miob5127	11447	miob5479
11224	miob4923	11280	miob4990	11336	miob5057	11392	miob5128	11448	miob5480
11225	miob4924	11281	miob4991	11337	miob5059	11393	miob5129	11449	miob5485
11226	miob4925	11282	miob4992	11338	miob5060	11394	miob5410	11450	miob5486
11227	miob4926	11283	miob4993	11339	miob5061	11395	miob5411	11451	miob5487
11228	miob4927	11284	miob4994	11340	miob5062	11396	miob5412	11452	miob5488
11229	miob4928	11285	miob4995	11341	miob5063	11397	miob5414	11453	miob5489
11230	miob4929	11286	miob4996	11342	miob5065	11398	miob5415	11454	miob5490
11231	miob4930	11287	miob4997	11343	miob5066	11399	miob5417	11455	miob5491
11232	miob4931	11288	miob4998	11344	miob5067	11400	miob5418	11456	miob5493
11233	miob4932	11289	miob4999	11345	miob5068	11401	miob5420	11457	miob5494
11234	miob4933	11290	miob5000	11346	miob5069	11402	miob5422	11458	miob5495
11235	miob4934	11291	miob5001	11347	miob5071	11403	miob5424	11459	miob5496
11236	miob4935	11292	miob5003	11348	miob5072	11404	miob5425	11460	miob5498
11237	miob4936	11293	miob5004	11349	miob5073	11405	miob5426	11461	miob5499
11238	miob4937	11294	miob5005	11350	miob5074	11406	miob5427	11462	miob5500
11239	miob4938	11295	miob5006	11351	miob5076	11407	miob5428	11463	miob5502
11240	miob4939	11296	miob5007	11352	miob5077	11408	miob5429	11464	miob5504
11241	miob4940	11297	miob5008	11353	miob5079	11409	miob5430	11465	miob5505
11242	miob4945	11298	miob5009	11354	miob5080	11410	miob5431	11466	miob5602
11243	miob4948	11299	miob5010	11355	miob5081	11411	miob5432	11467	miob5604
11244	miob4949	11300	miob5011	11356	miob5082	11412	miob5434	11468	miob5605
11245	miob4950	11301	miob5012	11357	miob5083	11413	miob5435	11469	miob5606
11246	miob4952	11302	miob5013	11358	miob5087	11414	miob5436	11470	miob5607
11247	miob4953	11303	miob5014	11359	miob5089	11415	miob5437	11471	miob5608
11248	miob4954	11304	miob5015	11360	miob5090	11416	miob5439	11472	miob5609
11249	miob4955	11305	miob5016	11361	miob5091	11417	miob5440	11473	miob5610
11250	miob4956	11306	miob5018	11362	miob5092	11418	miob5443	11474	miob5611
11251	miob4957	11307	miob5019	11363	miob5093	11419	miob5444	11475	miob5612
11252	miob4958	11308	miob5020	11364	miob5094	11420	miob5445	11476	miob5613
11253	miob4959	11309	miob5021	11365	miob5095	11421	miob5446	11477	miob5614
11254	miob4960	11310	miob5022	11366	miob5098	11422	miob5447	11478	miob5615
11255	miob4961	11311	miob5025	11367	miob5099	11423	miob5448	11479	miob5616
11256	miob4963	11312	miob5026	11368	miob5100	11424	miob5449	11480	miob5617

Figure 6D – Continued

11481	miob5618	11537	miob5681	11593	miob5748	11649	miob5813	11705	miob5874
11482	miob5621	11538	miob5683	11594	miob5749	11650	miob5814	11706	miob5875
11483	miob5622	11539	miob5684	11595	miob5750	11651	miob5815	11707	miob5876
11484	miob5623	11540	miob5685	11596	miob5751	11652	miob5816	11708	miob5877
11485	miob5624	11541	miob5686	11597	miob5752	11653	miob5817	11709	miob5878
11486	miob5625	11542	miob5687	11598	miob5753	11654	miob5818	11710	miob5879
11487	miob5626	11543	miob5688	11599	miob5754	11655	miob5819	11711	miob5880
11488	miob5627	11544	miob5690	11600	miob5755	11656	miob5820	11712	miob5881
11489	miob5628	11545	miob5691	11601	miob5757	11657	miob5821	11713	miob5883
11490	miob5629	11546	miob5692	11602	miob5758	11658	miob5822	11714	miob5884
11491	miob5630	11547	miob5694	11603	miob5759	11659	miob5824	11715	miob5885
11492	miob5632	11548	miob5695	11604	miob5760	11660	miob5825	11716	miob5886
11493	miob5633	11549	miob5696	11605	miob5761	11661	miob5826	11717	miob5887
11494	miob5635	11550	miob5697	11606	miob5762	11662	miob5827	11718	miob5888
11495	miob5636	11551	miob5698	11607	miob5763	11663	miob5828	11719	miob5889
11496	miob5638	11552	miob5699	11608	miob5764	11664	miob5829	11720	miob5890
11497	miob5639	11553	miob5700	11609	miob5765	11665	miob5830	11721	miob5891
11498	miob5640	11554	miob5701	11610	miob5766	11666	miob5832	11722	miob5892
11499	miob5641	11555	miob5702	11611	miob5769	11667	miob5833	11723	miob5893
11500	miob5642	11556	miob5703	11612	miob5770	11668	miob5834	11724	miob5894
11501	miob5643	11557	miob5704	11613	miob5771	11669	miob5835	11725	miob5895
11502	miob5644	11558	miob5705	11614	miob5772	11670	miob5836	11726	miob5896
11503	miob5645	11559	miob5706	11615	miob5773	11671	miob5837	11727	miob5897
11504	miob5646	11560	miob5707	11616	miob5774	11672	miob5839	11728	miob5898
11505	miob5647	11561	miob5708	11617	miob5775	11673	miob5840	11729	miob5899
11506	miob5648	11562	miob5709	11618	miob5776	11674	miob5841	11730	miob5900
11507	miob5649	11563	miob5710	11619	miob5777	11675	miob5842	11731	miob5901
11508	miob5650	11564	miob5712	11620	miob5778	11676	miob5843	11732	miob5903
11509	miob5652	11565	miob5713	11621	miob5779	11677	miob5844	11733	miob5904
11510	miob5653	11566	miob5714	11622	miob5780	11678	miob5845	11734	miob5905
11511	miob5654	11567	miob5716	11623	miob5781	11679	miob5846	11735	miob5906
11512	miob5655	11568	miob5718	11624	miob5782	11680	miob5847	11736	miob5907
11513	miob5656	11569	miob5719	11625	miob5783	11681	miob5848	11737	miob5908
11514	miob5657	11570	miob5720	11626	miob5784	11682	miob5849	11738	miob5909
11515	miob5658	11571	miob5721	11627	miob5785	11683	miob5850	11739	miob5910
11516	miob5659	11572	miob5722	11628	miob5786	11684	miob5851	11740	miob5911
11517	miob5660	11573	miob5723	11629	miob5787	11685	miob5852	11741	miob5912
11518	miob5661	11574	miob5724	11630	miob5788	11686	miob5853	11742	miob5913
11519	miob5663	11575	miob5725	11631	miob5789	11687	miob5854	11743	miob5914
11520	miob5664	11576	miob5728	11632	miob5791	11688	miob5855	11744	miob5915
11521	miob5665	11577	miob5729	11633	miob5793	11689	miob5856	11745	miob5916
11522	miob5666	11578	miob5730	11634	miob5794	11690	miob5857	11746	miob5917
11523	miob5667	11579	miob5731	11635	miob5795	11691	miob5858	11747	miob5920
11524	miob5668	11580	miob5732	11636	miob5796	11692	miob5859	11748	miob5921
11525	miob5669	11581	miob5733	11637	miob5797	11693	miob5860	11749	miob5922
11526	miob5670	11582	miob5734	11638	miob5798	11694	miob5861	11750	miob5923
11527	miob5671	11583	miob5735	11639	miob5799	11695	miob5862	11751	miob5924
11528	miob5672	11584	miob5736	11640	miob5801	11696	miob5863	11752	miob5925
11529	miob5673	11585	miob5739	11641	miob5802	11697	miob5864	11753	miob5927
11530	miob5674	11586	miob5740	11642	miob5803	11698	miob5866	11754	miob5928
11531	miob5675	11587	miob5741	11643	miob5804	11699	miob5867	11755	miob5929
11532	miob5676	11588	miob5743	11644	miob5806	11700	miob5868	11756	miob5930
11533	miob5677	11589	miob5744	11645	miob5808	11701	miob5869	11757	miob5931
11534	miob5678	11590	miob5745	11646	miob5809	11702	miob5870	11758	miob5932
11535	miob5679	11591	miob5746	11647	miob5810	11703	miob5871	11759	miob5934
11536	miob5680	11592	miob5747	11648	miob5812	11704	miob5873	11760	miob5936

Figure 6D – Continued

11761	miob5937	11817	miob5999	11873	miob6070	11929	miob6132	11985	miob6208
11762	miob5938	11818	miob6000	11874	miob6071	11930	miob6134	11986	miob6209
11763	miob5939	11819	miob6001	11875	miob6072	11931	miob6136	11987	miob6211
11764	miob5940	11820	miob6002	11876	miob6074	11932	miob6137	11988	miob6212
11765	miob5941	11821	miob6004	11877	miob6075	11933	miob6138	11989	miob6213
11766	miob5942	11822	miob6005	11878	miob6076	11934	miob6139	11990	miob6215
11767	miob5943	11823	miob6006	11879	miob6077	11935	miob6140	11991	miob6216
11768	miob5945	11824	miob6007	11880	miob6078	11936	miob6141	11992	miob6219
11769	miob5946	11825	miob6008	11881	miob6079	11937	miob6142	11993	miob6220
11770	miob5947	11826	miob6009	11882	miob6080	11938	miob6143	11994	miob6221
11771	miob5948	11827	miob6010	11883	miob6081	11939	miob6144	11995	miob6222
11772	miob5949	11828	miob6011	11884	miob6082	11940	miob6145	11996	miob6223
11773	miob5950	11829	miob6013	11885	miob6085	11941	miob6146	11997	miob6224
11774	miob5951	11830	miob6014	11886	miob6086	11942	miob6147	11998	miob6226
11775	miob5952	11831	miob6016	11887	miob6087	11943	miob6148	11999	miob6227
11776	miob5953	11832	miob6017	11888	miob6088	11944	miob6149	12000	miob6228
11777	miob5954	11833	miob6019	11889	miob6089	11945	miob6150	12001	miob6229
11778	miob5955	11834	miob6021	11890	miob6090	11946	miob6151	12002	miob6231
11779	miob5956	11835	miob6022	11891	miob6091	11947	miob6152	12003	miob6233
11780	miob5957	11836	miob6023	11892	miob6092	11948	miob6153	12004	miob6235
11781	miob5958	11837	miob6024	11893	miob6093	11949	miob6162	12005	miob6236
11782	miob5959	11838	miob6025	11894	miob6095	11950	miob6163	12006	miob6238
11783	miob5960	11839	miob6026	11895	miob6096	11951	miob6164	12007	miob6239
11784	miob5961	11840	miob6027	11896	miob6097	11952	miob6165	12008	miob6240
11785	miob5962	11841	miob6028	11897	miob6098	11953	miob6166	12009	miob6242
11786	miob5963	11842	miob6029	11898	miob6099	11954	miob6168	12010	miob6243
11787	miob5965	11843	miob6030	11899	miob6100	11955	miob6169	12011	miob6244
11788	miob5966	11844	miob6031	11900	miob6101	11956	miob6170	12012	miob6245
11789	miob5967	11845	miob6032	11901	miob6102	11957	miob6171	12013	miob6246
11790	miob5968	11846	miob6034	11902	miob6103	11958	miob6172	12014	miob6247
11791	miob5969	11847	miob6035	11903	miob6104	11959	miob6173	12015	miob6248
11792	miob5970	11848	miob6038	11904	miob6105	11960	miob6175	12016	miob6249
11793	miob5972	11849	miob6041	11905	miob6106	11961	miob6176	12017	miob6251
11794	miob5973	11850	miob6042	11906	miob6107	11962	miob6177	12018	miob6252
11795	miob5974	11851	miob6043	11907	miob6108	11963	miob6178	12019	miob6253
11796	miob5975	11852	miob6045	11908	miob6109	11964	miob6180	12020	miob6254
11797	miob5976	11853	miob6046	11909	miob6110	11965	miob6181	12021	miob6255
11798	miob5977	11854	miob6047	11910	miob6112	11966	miob6182	12022	miob6256
11799	miob5978	11855	miob6049	11911	miob6113	11967	miob6184	12023	miob6257
11800	miob5979	11856	miob6050	11912	miob6115	11968	miob6185	12024	miob6258
11801	miob5980	11857	miob6051	11913	miob6116	11969	miob6187	12025	miob6259
11802	miob5981	11858	miob6052	11914	miob6117	11970	miob6188	12026	miob6260
11803	miob5982	11859	miob6053	11915	miob6118	11971	miob6189	12027	miob6261
11804	miob5983	11860	miob6054	11916	miob6119	11972	miob6191	12028	miob6262
11805	miob5984	11861	miob6055	11917	miob6120	11973	miob6192	12029	miob6263
11806	miob5985	11862	miob6056	11918	miob6121	11974	miob6193	12030	miob6265
11807	miob5986	11863	miob6057	11919	miob6122	11975	miob6195	12031	miob6266
11808	miob5988	11864	miob6058	11920	miob6123	11976	miob6196	12032	miob6267
11809	miob5989	11865	miob6059	11921	miob6124	11977	miob6198	12033	miob6268
11810	miob5992	11866	miob6061	11922	miob6125	11978	miob6199	12034	miob6269
11811	miob5993	11867	miob6064	11923	miob6126	11979	miob6201	12035	miob6270
11812	miob5994	11868	miob6065	11924	miob6127	11980	miob6202	12036	miob6271
11813	miob5995	11869	miob6066	11925	miob6128	11981	miob6203	12037	miob6272
11814	miob5996	11870	miob6067	11926	miob6129	11982	miob6204	12038	miob6274
11815	miob5997	11871	miob6068	11927	miob6130	11983	miob6205	12039	miob6276
11816	miob5998	11872	miob6069	11928	miob6131	11984	miob6206	12040	miob6277

Figure 6D – Continued

12041	miob6279	12097	miob6350	12153	miob6426	12209	miob6492	12265	miob6560
12042	miob6281	12098	miob6351	12154	miob6427	12210	miob6493	12266	miob6562
12043	miob6282	12099	miob6352	12155	miob6429	12211	miob6496	12267	miob6565
12044	miob6284	12100	miob6354	12156	miob6430	12212	miob6497	12268	miob6566
12045	miob6285	12101	miob6355	12157	miob6431	12213	miob6499	12269	miob6567
12046	miob6287	12102	miob6356	12158	miob6432	12214	miob6501	12270	miob6569
12047	miob6288	12103	miob6357	12159	miob6433	12215	miob6503	12271	miob6570
12048	miob6289	12104	miob6358	12160	miob6434	12216	miob6504	12272	miob6571
12049	miob6290	12105	miob6359	12161	miob6435	12217	miob6505	12273	miob6572
12050	miob6291	12106	miob6360	12162	miob6436	12218	miob6506	12274	miob6573
12051	miob6292	12107	miob6361	12163	miob6437	12219	miob6507	12275	miob6576
12052	miob6293	12108	miob6362	12164	miob6438	12220	miob6508	12276	miob6578
12053	miob6295	12109	miob6364	12165	miob6440	12221	miob6509	12277	miob6579
12054	miob6297	12110	miob6365	12166	miob6441	12222	miob6511	12278	miob6581
12055	miob6298	12111	miob6366	12167	miob6442	12223	miob6512	12279	miob6582
12056	miob6299	12112	miob6367	12168	miob6443	12224	miob6513	12280	miob6583
12057	miob6301	12113	miob6368	12169	miob6444	12225	miob6516	12281	miob6586
12058	miob6302	12114	miob6370	12170	miob6446	12226	miob6517	12282	miob6587
12059	miob6304	12115	miob6372	12171	miob6447	12227	miob6518	12283	miob6589
12060	miob6305	12116	miob6373	12172	miob6448	12228	miob6519	12284	miob6590
12061	miob6306	12117	miob6376	12173	miob6449	12229	miob6520	12285	miob6592
12062	miob6307	12118	miob6377	12174	miob6450	12230	miob6521	12286	miob6593
12063	miob6308	12119	miob6378	12175	miob6451	12231	miob6522	12287	miob6595
12064	miob6309	12120	miob6380	12176	miob6452	12232	miob6523	12288	miob6596
12065	miob6310	12121	miob6381	12177	miob6453	12233	miob6525	12289	miob6597
12066	miob6312	12122	miob6382	12178	miob6455	12234	miob6526	12290	miob6598
12067	miob6313	12123	miob6384	12179	miob6456	12235	miob6528	12291	miob6599
12068	miob6314	12124	miob6385	12180	miob6458	12236	miob6529	12292	miob6600
12069	miob6316	12125	miob6386	12181	miob6459	12237	miob6530	12293	miob6601
12070	miob6317	12126	miob6389	12182	miob6460	12238	miob6531	12294	miob6602
12071	miob6318	12127	miob6390	12183	miob6461	12239	miob6532	12295	miob6603
12072	miob6319	12128	miob6391	12184	miob6462	12240	miob6533	12296	miob6604
12073	miob6320	12129	miob6393	12185	miob6463	12241	miob6534	12297	miob6605
12074	miob6321	12130	miob6394	12186	miob6464	12242	miob6535	12298	miob6606
12075	miob6323	12131	miob6395	12187	miob6465	12243	miob6536	12299	miob6607
12076	miob6324	12132	miob6396	12188	miob6466	12244	miob6537	12300	miob6608
12077	miob6325	12133	miob6397	12189	miob6467	12245	miob6538	12301	miob6609
12078	miob6326	12134	miob6400	12190	miob6468	12246	miob6539	12302	miob6610
12079	miob6327	12135	miob6401	12191	miob6469	12247	miob6540	12303	miob6611
12080	miob6328	12136	miob6402	12192	miob6470	12248	miob6542	12304	miob6612
12081	miob6329	12137	miob6403	12193	miob6471	12249	miob6543	12305	miob6613
12082	miob6330	12138	miob6404	12194	miob6472	12250	miob6544	12306	miob6614
12083	miob6332	12139	miob6405	12195	miob6474	12251	miob6545	12307	miob6615
12084	miob6333	12140	miob6406	12196	miob6475	12252	miob6546	12308	miob6616
12085	miob6334	12141	miob6408	12197	miob6477	12253	miob6547	12309	miob6617
12086	miob6335	12142	miob6409	12198	miob6478	12254	miob6548	12310	miob6618
12087	miob6336	12143	miob6410	12199	miob6479	12255	miob6549	12311	miob6619
12088	miob6337	12144	miob6412	12200	miob6480	12256	miob6551	12312	miob6620
12089	miob6338	12145	miob6414	12201	miob6482	12257	miob6552	12313	miob6621
12090	miob6340	12146	miob6415	12202	miob6483	12258	miob6553	12314	miob6622
12091	miob6341	12147	miob6417	12203	miob6484	12259	miob6554	12315	miob6623
12092	miob6343	12148	miob6419	12204	miob6485	12260	miob6555	12316	miob6625
12093	miob6344	12149	miob6422	12205	miob6486	12261	miob6556	12317	miob6626
12094	miob6345	12150	miob6423	12206	miob6487	12262	miob6557	12318	miob6627
12095	miob6346	12151	miob6424	12207	miob6489	12263	miob6558	12319	miob6628
12096	miob6348	12152	miob6425	12208	miob6490	12264	miob6559	12320	miob6629

Figure 6D – Continued

12321	miob6630	12377	miob6699	12433	miob6769	12489	miob6840	12545	miob6910
12322	miob6631	12378	miob6700	12434	miob6770	12490	miob6841	12546	miob6911
12323	miob6632	12379	miob6701	12435	miob6771	12491	miob6842	12547	miob6912
12324	miob6633	12380	miob6702	12436	miob6772	12492	miob6843	12548	miob6913
12325	miob6634	12381	miob6704	12437	miob6773	12493	miob6844	12549	miob6914
12326	miob6635	12382	miob6705	12438	miob6774	12494	miob6845	12550	miob6915
12327	miob6636	12383	miob6706	12439	miob6775	12495	miob6846	12551	miob6916
12328	miob6637	12384	miob6707	12440	miob6776	12496	miob6847	12552	miob6917
12329	miob6638	12385	miob6708	12441	miob6777	12497	miob6848	12553	miob6918
12330	miob6640	12386	miob6710	12442	miob6778	12498	miob6849	12554	miob6919
12331	miob6641	12387	miob6712	12443	miob6779	12499	miob6852	12555	miob6920
12332	miob6643	12388	miob6713	12444	miob6781	12500	miob6853	12556	miob6921
12333	miob6644	12389	miob6714	12445	miob6782	12501	miob6854	12557	miob6922
12334	miob6645	12390	miob6715	12446	miob6784	12502	miob6855	12558	miob6923
12335	miob6646	12391	miob6716	12447	miob6785	12503	miob6857	12559	miob6924
12336	miob6648	12392	miob6717	12448	miob6788	12504	miob6858	12560	miob6926
12337	miob6649	12393	miob6718	12449	miob6792	12505	miob6860	12561	miob6928
12338	miob6650	12394	miob6720	12450	miob6794	12506	miob6861	12562	miob6929
12339	miob6651	12395	miob6721	12451	miob6795	12507	miob6862	12563	miob6930
12340	miob6652	12396	miob6722	12452	miob6796	12508	miob6864	12564	miob6932
12341	miob6653	12397	miob6723	12453	miob6797	12509	miob6865	12565	miob6933
12342	miob6656	12398	miob6724	12454	miob6798	12510	miob6866	12566	miob6934
12343	miob6657	12399	miob6725	12455	miob6799	12511	miob6868	12567	miob6935
12344	miob6658	12400	miob6726	12456	miob6800	12512	miob6870	12568	miob6937
12345	miob6660	12401	miob6727	12457	miob6801	12513	miob6871	12569	miob6938
12346	miob6661	12402	miob6728	12458	miob6802	12514	miob6872	12570	miob6939
12347	miob6662	12403	miob6730	12459	miob6804	12515	miob6873	12571	miob6940
12348	miob6664	12404	miob6731	12460	miob6805	12516	miob6874	12572	miob6944
12349	miob6665	12405	miob6732	12461	miob6806	12517	miob6876	12573	miob6945
12350	miob6667	12406	miob6733	12462	miob6807	12518	miob6877	12574	miob6946
12351	miob6668	12407	miob6735	12463	miob6808	12519	miob6878	12575	miob6948
12352	miob6669	12408	miob6736	12464	miob6809	12520	miob6881	12576	miob6949
12353	miob6670	12409	miob6737	12465	miob6810	12521	miob6882	12577	miob6952
12354	miob6671	12410	miob6738	12466	miob6811	12522	miob6883	12578	miob6953
12355	miob6672	12411	miob6739	12467	miob6813	12523	miob6884	12579	miob6954
12356	miob6673	12412	miob6741	12468	miob6814	12524	miob6886	12580	miob6955
12357	miob6674	12413	miob6742	12469	miob6816	12525	miob6888	12581	miob6956
12358	miob6675	12414	miob6743	12470	miob6817	12526	miob6889	12582	miob6957
12359	miob6676	12415	miob6744	12471	miob6818	12527	miob6890	12583	miob6958
12360	miob6677	12416	miob6746	12472	miob6819	12528	miob6891	12584	miob6959
12361	miob6678	12417	miob6747	12473	miob6821	12529	miob6892	12585	miob6960
12362	miob6679	12418	miob6749	12474	miob6822	12530	miob6893	12586	miob6961
12363	miob6681	12419	miob6750	12475	miob6823	12531	miob6894	12587	miob6963
12364	miob6682	12420	miob6752	12476	miob6824	12532	miob6896	12588	miob6964
12365	miob6684	12421	miob6753	12477	miob6826	12533	miob6897	12589	miob6965
12366	miob6685	12422	miob6756	12478	miob6827	12534	miob6898	12590	miob6966
12367	miob6686	12423	miob6757	12479	miob6828	12535	miob6899	12591	miob6967
12368	miob6688	12424	miob6758	12480	miob6829	12536	miob6901	12592	miob6968
12369	miob6690	12425	miob6760	12481	miob6831	12537	miob6902	12593	miob6969
12370	miob6691	12426	miob6761	12482	miob6833	12538	miob6903	12594	miob6970
12371	miob6692	12427	miob6762	12483	miob6834	12539	miob6904	12595	miob6971
12372	miob6693	12428	miob6763	12484	miob6835	12540	miob6905	12596	miob6972
12373	miob6695	12429	miob6764	12485	miob6836	12541	miob6906	12597	miob6976
12374	miob6696	12430	miob6765	12486	miob6837	12542	miob6907	12598	miob6978
12375	miob6697	12431	miob6766	12487	miob6838	12543	miob6908	12599	miob6979
12376	miob6698	12432	miob6768	12488	miob6839	12544	miob6909	12600	miob6980

Figure 6D – Continued

12601	miob6981
12602	miob6982
12603	miob6983
12604	miob6984
12605	miob6985
12606	miob6987
12607	miob6988
12608	miob6989
12609	miob6990
12610	miob6993
12611	miob6995
12612	miob6996
12613	miob6997
12614	miob6998
12615	miob6999
12616	miob7000
12617	miob7001
12618	miob7003
12619	miob7004
12620	miob7005
12621	miob7006
12622	miob7007
12623	miob7008
12624	miob7009
12625	miob7010
12626	miob7011
12627	miob7012
12628	miob7014
12629	miob7015
12630	miob7016
12631	miob7017
12632	miob7018
12633	miob7020
12634	miob7021
12635	miob7022
12636	miob7024
12637	miob7026
12638	miob7027
12639	miob7028
12640	miob7029
12641	miob7030
12642	miob7031
12643	miob7032
12644	miob7034
12645	miob7035
12646	miob7036
12647	miob7037
12648	miob7038
12649	miob7039
12650	miob7040
12651	miob7041

Figure 6E – List of EST Sequence Names From Severe OA Cartilage cDNA Library

1	saeoa2593m	57	SEOA0060	113	SEOA0127	169	SEOA0194A	225	seoa0266m
2	seoa0002m	58	SEOA0061	114	SEOA0129	170	SEOA0195A	226	seoa0268m
3	seoa0003m	59	seoa0062m	115	SEOA0130	171	SEOA0196A	227	seoa0269m
4	seoa0004m	60	SEOA0064	116	SEOA0131	172	SEOA0197A	228	seoa0270m
5	seoa0005m	61	SEOA0065	117	SEOA0133	173	SEOA0198A	229	SEOA0271
6	seoa0006m	62	SEOA0066	118	SEOA0134	174	SEOA0200A	230	SEOA0272
7	seoa0007m	63	SEOA0067	119	SEOA0135	175	seoa0201a	231	SEOA0274
8	seoa0008m	64	SEOA0068	120	SEOA0136	176	SEOA0202A	232	SEOA0275
9	seoa0009m	65	SEOA0069	121	SEOA0137	177	seoa0203a	233	seoa0276
10	seoa0010m	66	SEOA0070	122	SEOA0138	178	SEOA0204A	234	seoa0277
11	seoa0012m	67	SEOA0071	123	SEOA0139	179	SEOA0205A	235	SEOA0278n
12	seoa0013m	68	SEOA0072	124	SEOA0142	180	SEOA0206a	236	SEOA0279
13	SEOA0014	69	SEOA0074	125	SEOA0143	181	SEOA0207a	237	SEOA0280
14	SEOA0015	70	SEOA0075n	126	SEOA0144	182	SEOA0208a	238	seoa0281
15	SEOA0017	71	SEOA0076	127	SEOA0145	183	SEOA0209a	239	SEOA0282
16	SEOA0018	72	SEOA0078	128	SEOA0146	184	seoa0210a	240	SEOA0283
17	SEOA0019	73	SEOA0079	129	SEOA0147	185	SEOA0211a	241	SEOA0284n
18	SEOA0020	74	SEOA0080	130	seoa0148m	186	seoa0212a	242	SEOA0285
19	SEOA0021	75	SEOA0081	131	SEOA0149	187	SEOA0213a	243	SEOA0286
20	SEOA0022	76	SEOA0082	132	SEOA0150	188	SEOA0216a	244	SEOA0287
21	SEOA0023	77	SEOA0083	133	SEOA0152	189	SEOA0217a	245	SEOA0288
22	SEOA0024	78	SEOA0084	134	SEOA0154	190	SEOA0218a	246	SEOA0289
23	SEOA0025	79	SEOA0085	135	SEOA0155	191	SEOA0219a	247	seoa0290
24	seoa0027	80	SEOA0086	136	SEOA0156	192	SEOA0221a	248	SEOA0291
25	SEOA0028	81	SEOA0088	137	SEOA0157	193	SEOA0224a	249	SEOA0293
26	SEOA0029	82	SEOA0089n	138	SEOA0158	194	SEOA0226a	250	SEOA0294
27	SEOA0030	83	SEOA0090n	139	SEOA0159	195	SEOA0228a	251	SEOA0295
28	SEOA0031	84	SEOA0091n	140	SEOA0160	196	SEOA0231a	252	SEOA0296
29	SEOA0032	85	seoa0093m	141	seoa0161a	197	SEOA0234a	253	SEOA0297
30	SEOA0033	86	seoa0094m	142	SEOA0162a	198	SEOA0235a	254	SEOA0301
31	seoa0034m	87	seoa0095m	143	SEOA0163a	199	SEOA0236a	255	SEOA0302
32	SEOA0035	88	SEOA0096n	144	SEOA0164a	200	seoa0237a	256	SEOA0304n
33	SEOA0036	89	seoa0097m	145	SEOA0166a	201	SEOA0238a	257	SEOA0306
34	SEOA0037	90	SEOA0099	146	SEOA0167a	202	SEOA0239a	258	SEOA0307
35	SEOA0038	91	SEOA0100	147	SEOA0168a	203	SEOA0240a	259	SEOA0308
36	SEOA0039	92	SEOA0101	148	SEOA0169a	204	SEOA0243a	260	SEOA0309
37	SEOA0040	93	seoa0102m	149	SEOA0170a	205	SEOA0244a	261	SEOA0310
38	SEOA0041n	94	SEOA0103	150	SEOA0171a	206	SEOA0245a	262	SEOA0311
39	SEOA0042	95	seoa0106n	151	SEOA0172a	207	SEOA0246a	263	SEOA0312
40	SEOA0043	96	SEOA0107	152	SEOA0174a	208	SEOA0247a	264	SEOA0313
41	SEOA0044n	97	SEOA0108	153	SEOA0175a	209	SEOA0248a	265	SEOA0314
42	SEOA0045n	98	SEOA0109n	154	SEOA0176a	210	SEOA0249a	266	SEOA0315n
43	SEOA0046	99	SEOA0110n	155	SEOA0177a	211	SEOA0250a	267	SEOA0316
44	SEOA0047	100	SEOA0111	156	SEOA0179a	212	SEOA0251a	268	SEOA0317
45	SEOA0048	101	SEOA0112	157	SEOA0180a	213	SEOA0252a	269	SEOA0318
46	SEOA0049	102	SEOA0114	158	seoa0182a	214	SEOA0254a	270	SEOA0319
47	SEOA0050	103	SEOA0115	159	seoa0183a	215	SEOA0255a	271	SEOA0320
48	SEOA0051	104	SEOA0116	160	SEOA0184a	216	SEOA0256a	272	SEOA0321
49	SEOA0052n	105	SEOA0117	161	SEOA0185a	217	seoa0257m	273	SEOA0323
50	SEOA0053	106	SEOA0118	162	SEOA0186a	218	seoa0259m	274	SEOA0324
51	SEOA0054	107	SEOA0121	163	SEOA0187a	219	seoa0260m	275	SEOA0325
52	seoa0055	108	SEOA0122	164	SEOA0188A	220	seoa0261m	276	SEOA0326n
53	SEOA0056	109	SEOA0123n	165	SEOA0189A	221	seoa0262m	277	SEOA0328
54	SEOA0057	110	seoa0124nn	166	SEOA0190A	222	seoa0263m	278	SEOA0329n
55	SEOA0058	111	SEOA0125	167	SEOA0191A	223	seoa0264m	279	SEOA0331
56	SEOA0059	112	SEOA0126	168	SEOA0193A	224	seoa0265m	280	SEOA0333n

Figure 6E – Continued

281	SEOA0334	337	SEOA0404	393	SEOA0468	449	seoa0535	505	SEOA0721a
282	SEOA0335	338	SEOA0405	394	SEOA0469n	450	SEOA0536	506	SEOA0722a
283	SEOA0336	339	SEOA0407	395	SEOA0470n	451	SEOA0537	507	SEOA0723a
284	SEOA0337	340	SEOA0408	396	seoa0471n	452	SEOA0539n	508	SEOA0724a
285	SEOA0338	341	SEOA0409	397	SEOA0472	453	SEOA0540n	509	seoa0725a
286	seoa0339m	342	SEOA0410	398	SEOA0473	454	SEOA0541n	510	SEOA0727a
287	seoa0340m	343	SEOA0412	399	SEOA0475	455	SEOA0542n	511	SEOA0728a
288	seoa0342m	344	SEOA0413	400	SEOA0476	456	SEOA0543	512	SEOA0729a
289	seoa0343m	345	SEOA0414n	401	SEOA0477	457	SEOA0544	513	SEOA0730a
290	seoa0344m	346	SEOA0416	402	SEOA0478	458	SEOA0545A	514	SEOA0731a
291	seoa0345m	347	SEOA0417	403	SEOA0479	459	SEOA0546A	515	SEOA0733a
292	seoa0347m	348	SEOA0418	404	SEOA0480	460	SEOA0547A	516	SEOA0734a
293	seoa0348m	349	SEOA0420	405	SEOA0481	461	SEOA0548A	517	SEOA0737n
294	seoa0349m	350	SEOA0421	406	SEOA0482	462	SEOA0549A	518	SEOA0738
295	seoa0352m	351	SEOA0422	407	SEOA0483	463	SEOA0550A	519	seoa0739m
296	SEOA0353	352	SEOA0423	408	SEOA0485	464	SEOA0551A	520	SEOA0740
297	SEOA0354	353	SEOA0424n	409	SEOA0486	465	SEOA0552A	521	seoa0741
298	SEOA0356	354	SEOA0425	410	SEOA0487	466	SEOA0554A	522	SEOA0742
299	SEOA0357	355	SEOA0426	411	SEOA0488	467	SEOA0555A	523	SEOA0743
300	SEOA0360	356	SEOA0427	412	SEOA0489	468	SEOA0556A	524	SEOA0744
301	SEOA0361	357	SEOA0428	413	SEOA0491	469	SEOA0558A	525	SEOA0745
302	SEOA0362	358	SEOA0429	414	SEOA0492	470	seoa0559a	526	SEOA0746
303	SEOA0363	359	SEOA0430	415	SEOA0493	471	SEOA0560A	527	SEOA0747
304	SEOA0364	360	SEOA0431	416	seoa0495m	472	SEOA0562A	528	SEOA0748
305	SEOA0366	361	SEOA0432	417	seoa0496m	473	SEOA0563A	529	SEOA0749
306	SEOA0367n	362	SEOA0433	418	SEOA0497	474	SEOA0564A	530	SEOA0751
307	SEOA0368	363	seoa0434m	419	seoa0498m	475	SEOA0568	531	SEOA0752
308	SEOA0369	364	SEOA0435	420	seoa0499m	476	SEOA0569	532	SEOA0754
309	SEOA0370	365	SEOA0436n	421	SEOA0500	477	SEOA0572	533	SEOA0755
310	SEOA0372	366	seoa0437	422	SEOA0501	478	SEOA0573	534	SEOA0757
311	SEOA0373	367	SEOA0438	423	SEOA0502	479	SEOA0574a	535	SEOA0758
312	SEOA0374	368	SEOA0440	424	SEOA0505	480	SEOA0575	536	SEOA0759
313	SEOA0375	369	SEOA0441n	425	SEOA0506	481	SEOA0576n	537	SEOA0760
314	SEOA0376	370	seoa0442n	426	SEOA0508	482	SEOA0577	538	SEOA0761
315	SEOA0377	371	SEOA0444	427	SEOA0509	483	seoa0579n	539	seoa0764m
316	SEOA0379	372	SEOA0445	428	SEOA0511	484	SEOA0580	540	seoa0765m
317	SEOA0380n	373	seoa0446	429	SEOA0512	485	SEOA0581	541	seoa0766m
318	seoa0381	374	SEOA0448	430	SEOA0513	486	SEOA0582	542	seoa0767m
319	SEOA0382	375	SEOA0449	431	SEOA0514	487	SEOA0583	543	SEOA0769
320	SEOA0383	376	SEOA0450	432	SEOA0515	488	SEOA0584	544	SEOA0770
321	SEOA0385	377	SEOA0451n	433	seoa0516m	489	SEOA0585	545	SEOA0771
322	seoa0386	378	SEOA0453	434	SEOA0517	490	SEOA0587	546	SEOA0772n
323	SEOA0387	379	SEOA0454	435	SEOA0518	491	SEOA0588a	547	SEOA0773
324	SEOA0388	380	SEOA0455	436	SEOA0519	492	SEOA0589a	548	SEOA0774
325	SEOA0390	381	SEOA0456	437	SEOA0520	493	SEOA0590a	549	SEOA0775
326	SEOA0391	382	SEOA0457	438	SEOA0521	494	SEOA0591a	550	SEOA0777
327	SEOA0393	383	SEOA0458n	439	SEOA0524	495	SEOA0592a	551	SEOA0778
328	SEOA0394	384	seoa0459m	440	SEOA0525	496	SEOA0593a	552	SEOA0779
329	SEOA0395	385	SEOA0460	441	SEOA0526	497	SEOA0596a	553	SEOA0780
330	SEOA0396	386	seoa0461m	442	SEOA0527	498	SEOA0597a	554	SEOA0782
331	SEOA0397	387	SEOA0462	443	SEOA0528n	499	SEOA0598a	555	SEOA0783
332	SEOA0398	388	SEOA0463	444	SEOA0529	500	SEOA0599a	556	SEOA0784n
333	SEOA0399	389	SEOA0464	445	SEOA0530	501	SEOA0600a	557	SEOA0785n
334	SEOA0400	390	SEOA0465	446	seoa0532	502	SEOA0601a	558	SEOA0786
335	SEOA0401	391	SEOA0466	447	SEOA0533	503	SEOA0602a	559	SEOA0787
336	SEOA0402	392	SEOA0467	448	SEOA0534	504	SEOA0614a	560	SEOA0789



Figure 6E – Continued

561	SEOAO790	617	SEOAO852	673	SEOAO915	729	SEOAO977	785	SEOAO1053a
562	SEOAO791	618	SEOAO853	674	SEOAO916	730	SEOAO978	786	SEOAO1054a
563	SEOAO792	619	seo0854	675	SEOAO917	731	seo0979m	787	SEOAO1056a
564	SEOAO794	620	SEOAO855	676	seo0918m	732	seo0980m	788	SEOAO1057a
565	SEOAO795	621	SEOAO857	677	SEOAO920	733	seo0981m	789	SEOAO1058a
566	SEOAO796	622	SEOAO858	678	SEOAO921	734	SEOAO982n	790	SEOAO1062a
567	SEOAO799	623	SEOAO859	679	SEOAO922	735	SEOAO984	791	SEOAO1063a
568	seo0800m	624	SEOAO860	680	SEOAO923	736	seo0985m	792	SEOAO1065a
569	SEOAO801	625	SEOAO861	681	SEOAO924	737	SEOAO986	793	SEOAO1066a
570	SEOAO802	626	SEOAO862	682	SEOAO925	738	seo0987m	794	SEOAO1067a
571	SEOAO803	627	SEOAO863	683	SEOAO926	739	SEOAO988	795	SEOAO1068a
572	SEOAO804	628	SEOAO864	684	seo0928	740	SEOAO989	796	SEOAO1069a
573	SEOAO805	629	SEOAO865	685	SEOAO929n	741	SEOAO990n	797	SEOAO1070a
574	SEOAO806	630	SEOAO866	686	SEOAO930	742	SEOAO991	798	SEOAO1071a
575	seo0807m	631	SEOAO868	687	SEOAO931	743	seo0992m	799	SEOAO1072a
576	SEOAO808	632	SEOAO869	688	SEOAO932n	744	seo0993m	800	SEOAO1073a
577	seo0809	633	SEOAO870	689	SEOAO933	745	SEOAO994	801	SEOAO1074a
578	SEOAO811	634	seo0873n	690	SEOAO934	746	SEOAO995	802	SEOAO1075a
579	SEOAO812	635	SEOAO874	691	SEOAO935	747	SEOAO996	803	SEOAO1076a
580	SEOAO814	636	SEOAO875	692	SEOAO936	748	SEOAO998	804	SEOAO1078a
581	SEOAO815	637	SEOAO876	693	SEOAO937	749	SEOAO1001	805	SEOAO1079a
582	SEOAO816	638	SEOAO877	694	SEOAO938n	750	SEOAO1002	806	SEOAO1080a
583	SEOAO817	639	SEOAO878	695	SEOAO939	751	seo01004m	807	SEOAO1081a
584	SEOAO818	640	SEOAO879	696	SEOAO940	752	SEOAO1005n	808	SEOAO1082a
585	SEOAO819n	641	SEOAO880	697	SEOAO941	753	SEOAO1006n	809	SEOAO1083a
586	SEOAO820	642	SEOAO881	698	SEOAO942	754	SEOAO1007n	810	SEOAO1084a
587	SEOAO821	643	SEOAO882	699	SEOAO943	755	seo01008m	811	SEOAO1085a
588	SEOAO822	644	SEOAO883	700	SEOAO944	756	SEOAO1009n	812	SEOAO1086a
589	SEOAO823	645	SEOAO884	701	SEOAO945	757	seo01012m	813	SEOAO1087a
590	SEOAO824	646	SEOAO885n	702	SEOAO946	758	SEOAO1013n	814	SEOAO1089a
591	SEOAO825	647	SEOAO886	703	SEOAO947	759	seo01014m	815	SEOAO1090a
592	SEOAO826	648	SEOAO887	704	SEOAO948	760	SEOAO1015n	816	SEOAO1092a
593	SEOAO827	649	SEOAO888	705	SEOAO949n	761	seo01017m	817	SEOAO1094a
594	SEOAO829	650	SEOAO889n	706	SEOAO950	762	SEOAO1018	818	SEOAO1095a
595	SEOAO830	651	SEOAO890n	707	SEOAO952	763	SEOAO1020	819	SEOAO1096a
596	SEOAO831	652	SEOAO891	708	SEOAO953	764	SEOAO1022	820	SEOAO1097a
597	SEOAO832	653	SEOAO892	709	SEOAO955	765	SEOAO1023	821	SEOAO1098a
598	SEOAO833	654	SEOAO893	710	SEOAO956	766	SEOAO1024	822	SEOAO1099a
599	SEOAO834	655	SEOAO895	711	SEOAO957	767	SEOAO1025	823	SEOAO1100a
600	SEOAO835	656	SEOAO896	712	SEOAO958	768	SEOAO1026	824	SEOAO1101a
601	SEOAO836	657	SEOAO897n	713	SEOAO959	769	seo01028m	825	SEOAO1102a
602	SEOAO837	658	SEOAO898	714	SEOAO960n	770	SEOAO1030	826	SEOAO1104a
603	SEOAO838	659	SEOAO899	715	SEOAO962n	771	SEOAO1032a	827	SEOAO1105a
604	SEOAO839	660	SEOAO900	716	SEOAO963n	772	SEOAO1034a	828	SEOAO1106a
605	SEOAO840	661	SEOAO901	717	SEOAO964	773	SEOAO1035a	829	SEOAO1107a
606	SEOAO841	662	SEOAO902	718	SEOAO965	774	SEOAO1036a	830	SEOAO1108a
607	SEOAO842	663	SEOAO903	719	SEOAO966	775	SEOAO1038a	831	SEOAO1109a
608	SEOAO843	664	SEOAO904	720	SEOAO967	776	SEOAO1039a	832	SEOAO1112a
609	SEOAO844	665	SEOAO905	721	seo0968m	777	SEOAO1040a	833	SEOAO1113a
610	SEOAO845	666	SEOAO906	722	SEOAO969	778	SEOAO1041a	834	SEOAO1114a
611	SEOAO846	667	SEOAO907	723	seo0970	779	SEOAO1042a	835	SEOAO1115a
612	SEOAO847	668	SEOAO908	724	SEOAO971	780	SEOAO1044a	836	SEOAO1116a
613	SEOAO848	669	SEOAO909	725	seo0972m	781	SEOAO1045a	837	SEOAO1117a
614	SEOAO849	670	SEOAO911	726	SEOAO973	782	SEOAO1046a	838	SEOAO1118a
615	SEOAO850n	671	SEOAO913	727	SEOAO974	783	SEOAO1048a	839	SEOAO1119a
616	SEOAO851	672	SEOAO914	728	SEOAO975	784	SEOAO1049a	840	SEOAO1120a

Figure 6E - Continued

841	SEOA1124a	897	SEOA1208A	953	SEOA1287a	1009	SEOA1352	1065	SEOA1419a
842	SEOA1126a	898	SEOA1209A	954	SEOA1288a	1010	SEOA1353	1066	SEOA1420a
843	SEOA1128a	899	SEOA1213A	955	SEOA1289a	1011	seo1354m	1067	SEOA1421a
844	SEOA1130a	900	SEOA1215A	956	SEOA1290a	1012	SEOA1356	1068	SEOA1422a
845	SEOA1131a	901	SEOA1216A	957	SEOA1291a	1013	seo1357m	1069	SEOA1423a
846	SEOA1132a	902	SEOA1218A	958	SEOA1292a	1014	seo1358m	1070	SEOA1424a
847	SEOA1134a	903	SEOA1220A	959	SEOA1295a	1015	SEOA1360	1071	seo1425a
848	SEOA1135a	904	SEOA1222A	960	SEOA1296a	1016	SEOA1361	1072	SEOA1427a
849	SEOA1137a	905	SEOA1224A	961	SEOA1297a	1017	SEOA1362a	1073	SEOA1428a
850	SEOA1138a	906	SEOA1226A	962	SEOA1298a	1018	SEOA1363	1074	SEOA1429a
851	SEOA1139a	907	SEOA1227A	963	SEOA1300a	1019	SEOA1364	1075	SEOA1430a
852	SEOA1140a	908	SEOA1228A	964	SEOA1301a	1020	SEOA1365	1076	SEOA1440a
853	SEOA1141a	909	SEOA1229A	965	SEOA1302a	1021	SEOA1366a	1077	SEOA1432a
854	SEOA1144a	910	SEOA1232A	966	SEOA1303a	1022	SEOA1368	1078	SEOA1434a
855	SEOA1145a	911	SEOA1234A	967	SEOA1304a	1023	SEOA1369	1079	SEOA1436a
856	SEOA1146a	912	SEOA1236A	968	SEOA1306a	1024	SEOA1370	1080	SEOA1437a
857	SEOA1147a	913	SEOA1237A	969	SEOA1307a	1025	SEOA1371	1081	SEOA1439a
858	SEOA1148a	914	SEOA1238A	970	SEOA1308	1026	SEOA1372	1082	SEOA1440a
859	SEOA1149a	915	SEOA1239A	971	SEOA1309a	1027	SEOA1373	1083	SEOA1442a
860	SEOA1150a	916	SEOA1240A	972	SEOA1310a	1028	SEOA1374	1084	SEOA1443a
861	SEOA1151a	917	SEOA1241A	973	SEOA1311a	1029	SEOA1375	1085	SEOA1444a
862	SEOA1152a	918	SEOA1242A	974	SEOA1312a	1030	SEOA1376	1086	seo1445an
863	SEOA1153a	919	SEOA1244A	975	SEOA1313	1031	SEOA1377	1087	SEOA1447a
864	SEOA1155a	920	SEOA1245A	976	SEOA1314	1032	SEOA1378	1088	SEOA1448a
865	SEOA1157a	921	SEOA1246A	977	SEOA1315	1033	SEOA1379	1089	SEOA1449a
866	SEOA1158a	922	SEOA1247A	978	SEOA1316n	1034	SEOA1380	1090	SEOA1451a
867	SEOA1159A	923	SEOA1248A	979	SEOA1318	1035	seo1381n	1091	SEOA1452a
868	SEOA1161A	924	SEOA1249A	980	SEOA1320	1036	SEOA1382	1092	SEOA1454a
869	SEOA1164A	925	SEOA1250A	981	SEOA1321	1037	SEOA1383	1093	SEOA1455a
870	SEOA1166A	926	SEOA1251A	982	SEOA1323	1038	SEOA1384	1094	SEOA1456a
871	SEOA1169A	927	SEOA1252A	983	SEOA1324	1039	SEOA1385	1095	SEOA1457a
872	SEOA1173A	928	SEOA1253A	984	SEOA1325n	1040	SEOA1387	1096	SEOA1458a
873	SEOA1176A	929	SEOA1255A	985	SEOA1326	1041	SEOA1388	1097	SEOA1459a
874	SEOA1178A	930	SEOA1258A	986	SEOA1327	1042	SEOA1389	1098	SEOA1460a
875	SEOA1181A	931	SEOA1259A	987	SEOA1328	1043	SEOA1390	1099	SEOA1461a
876	SEOA1182A	932	SEOA1260A	988	SEOA1329	1044	SEOA1391	1100	SEOA1463a
877	SEOA1183A	933	SEOA1262A	989	SEOA1330	1045	SEOA1392	1101	SEOA1464a
878	SEOA1184A	934	SEOA1263A	990	SEOA1331	1046	SEOA1394	1102	SEOA1465a
879	SEOA1186A	935	SEOA1265A	991	SEOA1332	1047	SEOA1395	1103	SEOA1466a
880	SEOA1187a	936	SEOA1266A	992	SEOA1334	1048	SEOA1396	1104	seo1468a
881	SEOA1188A	937	SEOA1267A	993	SEOA1335	1049	SEOA1398	1105	SEOA1469a
882	SEOA1189A	938	SEOA1268A	994	SEOA1336	1050	SEOA1399	1106	SEOA1470a
883	SEOA1190A	939	SEOA1269a	995	SEOA1337	1051	SEOA1400	1107	SEOA1471a
884	SEOA1191A	940	SEOA1270a	996	seo1338	1052	SEOA1401	1108	SEOA1472a
885	SEOA1192A	941	SEOA1273a	997	SEOA1339n	1053	SEOA1403	1109	seo1473m
886	SEOA1193A	942	SEOA1275a	998	SEOA1340	1054	SEOA1404	1110	SEOA1474
887	SEOA1194A	943	SEOA1276a	999	SEOA1341	1055	SEOA1405	1111	SEOA1475
888	SEOA1196A	944	SEOA1277a	1000	SEOA1342	1056	seo1406	1112	SEOA1477
889	SEOA1198A	945	SEOA1278a	1001	SEOA1343	1057	SEOA1407	1113	SEOA1478
890	SEOA1199A	946	SEOA1279a	1002	SEOA1344	1058	SEOA1409a	1114	SEOA1479
891	SEOA1200A	947	SEOA1280a	1003	SEOA1346	1059	SEOA1410a	1115	SEOA1480
892	SEOA1201A	948	SEOA1281a	1004	seo1347	1060	SEOA1411a	1116	SEOA1483n
893	SEOA1202A	949	SEOA1282a	1005	SEOA1348	1061	SEOA1413a	1117	SEOA1484n
894	SEOA1203A	950	SEOA1283a	1006	SEOA1349	1062	SEOA1414a	1118	SEOA1486
895	SEOA1204A	951	SEOA1284a	1007	SEOA1350	1063	SEOA1415a	1119	SEOA1487
896	SEOA1206A	952	SEOA1286a	1008	SEOA1351	1064	SEOA1416a	1120	SEOA1488

Figure 6E - Continued

1121	SEOA1489	1177	SEOA1554	1233	SEOA1635a	1289	SEOA1695a	1345	SEOA1768a
1122	SEOA1490n	1178	SEOA1555	1234	SEOA1636a	1290	SEOA1696a	1346	SEOA1769a
1123	SEOA1491	1179	SEOA1559	1235	SEOA1637a	1291	SEOA1697a	1347	SEOA1770a
1124	SEOA1492n	1180	SEOA1560	1236	SEOA1638a	1292	SEOA1698a	1348	SEOA1771a
1125	SEOA1493	1181	SEOA1563	1237	SEOA1639a	1293	SEOA1700a	1349	SEOA1772a
1126	SEOA1494	1182	SEOA1564	1238	SEOA1640a	1294	SEOA1701a	1350	SEOA1773a
1127	SEOA1496n	1183	SEOA1566	1239	SEOA1641a	1295	SEOA1703a	1351	SEOA1774a
1128	SEOA1497	1184	SEOA1567	1240	SEOA1643a	1296	SEOA1705a	1352	SEOA1775a
1129	SEOA1499	1185	seo1568m	1241	SEOA1644a	1297	SEOA1710a	1353	SEOA1776a
1130	SEOA1501	1186	SEOA1570	1242	SEOA1645a	1298	SEOA1711a	1354	SEOA1778a
1131	SEOA1503	1187	SEOA1571	1243	SEOA1646a	1299	SEOA1712a	1355	SEOA1782a
1132	SEOA1504	1188	SEOA1572	1244	SEOA1647a	1300	SEOA1713a	1356	SEOA1783a
1133	SEOA1505	1189	SEOA1573a	1245	SEOA1648a	1301	SEOA1714a	1357	SEOA1784a
1134	SEOA1506	1190	SEOA1574a	1246	SEOA1650a	1302	SEOA1715a	1358	SEOA1785a
1135	seo1507n	1191	SEOA1575a	1247	SEOA1651a	1303	SEOA1717a	1359	SEOA1786a
1136	SEOA1508	1192	SEOA1576a	1248	SEOA1652a	1304	SEOA1718a	1360	SEOA1787a
1137	SEOA1509	1193	seo1577a	1249	SEOA1653a	1305	SEOA1720a	1361	SEOA1788a
1138	SEOA1510	1194	SEOA1579a	1250	SEOA1654a	1306	SEOA1721a	1362	SEOA1789a
1139	SEOA1511	1195	SEOA1580a	1251	SEOA1655a	1307	SEOA1722a	1363	SEOA1790a
1140	SEOA1512	1196	SEOA1581a	1252	SEOA1656a	1308	SEOA1723a	1364	SEOA1791a
1141	SEOA1513	1197	SEOA1582a	1253	SEOA1657a	1309	SEOA1725a	1365	SEOA1792a
1142	SEOA1515	1198	SEOA1583a	1254	SEOA1658a	1310	SEOA1726a	1366	SEOA1793a
1143	SEOA1516	1199	SEOA1584a	1255	SEOA1660a	1311	SEOA1727a	1367	SEOA1794a
1144	SEOA1517n	1200	SEOA1585a	1256	SEOA1661a	1312	SEOA1729a	1368	SEOA1795a
1145	SEOA1518	1201	SEOA1586a	1257	SEOA1662a	1313	SEOA1730a	1369	SEOA1797a
1146	SEOA1519	1202	SEOA1589a	1258	SEOA1663a	1314	SEOA1731a	1370	SEOA1799a
1147	SEOA1520	1203	SEOA1590a	1259	SEOA1664a	1315	SEOA1732a	1371	SEOA1802a
1148	SEOA1521	1204	SEOA1592a	1260	SEOA1665a	1316	SEOA1733a	1372	SEOA1803a
1149	SEOA1522n	1205	SEOA1594a	1261	SEOA1666a	1317	SEOA1734a	1373	SEOA1804a
1150	seo1523	1206	seo1595an	1262	SEOA1667a	1318	SEOA1736a	1374	seo1805a
1151	SEOA1524	1207	SEOA1596a	1263	SEOA1668a	1319	SEOA1737a	1375	seo1806a
1152	SEOA1525	1208	SEOA1597a	1264	SEOA1669a	1320	SEOA1739a	1376	seo1807a
1153	SEOA1526	1209	SEOA1598a	1265	SEOA1670a	1321	SEOA1741a	1377	seo1809a
1154	SEOA1527n	1210	SEOA1599a	1266	SEOA1671a	1322	SEOA1742a	1378	seo1810a
1155	SEOA1528	1211	SEOA1600a	1267	SEOA1672a	1323	SEOA1743a	1379	SEOA1811a
1156	SEOA1529	1212	SEOA1601a	1268	SEOA1673a	1324	SEOA1747a	1380	SEOA1812a
1157	SEOA1530	1213	SEOA1602a	1269	SEOA1674a	1325	SEOA1748a	1381	SEOA1813a
1158	SEOA1532	1214	SEOA1604a	1270	SEOA1675a	1326	SEOA1749a	1382	seo1814a
1159	SEOA1534	1215	SEOA1606a	1271	SEOA1676a	1327	SEOA1750a	1383	seo1815a
1160	SEOA1535	1216	SEOA1607a	1272	SEOA1677a	1328	SEOA1751a	1384	seo1817a
1161	SEOA1536	1217	SEOA1608a	1273	SEOA1678a	1329	SEOA1752a	1385	SEOA1819a
1162	SEOA1537	1218	SEOA1609a	1274	SEOA1679a	1330	SEOA1753a	1386	SEOA1821a
1163	SEOA1538	1219	SEOA1610a	1275	SEOA1680a	1331	SEOA1754a	1387	SEOA1822a
1164	seo1539	1220	SEOA1611a	1276	SEOA1681a	1332	SEOA1755a	1388	seo1823a
1165	SEOA1540	1221	SEOA1614a	1277	SEOA1682a	1333	SEOA1756a	1389	seo1825a
1166	seo1541n	1222	SEOA1615a	1278	SEOA1683a	1334	SEOA1757a	1390	seo1826a
1167	SEOA1542	1223	SEOA1616a	1279	SEOA1684a	1335	SEOA1758a	1391	seo1830a
1168	SEOA1543	1224	SEOA1617a	1280	SEOA1685a	1336	SEOA1759a	1392	SEOA1833a
1169	SEOA1544	1225	SEOA1620a	1281	SEOA1686a	1337	SEOA1760a	1393	SEOA1834a
1170	seo1545	1226	SEOA1621a	1282	SEOA1687a	1338	SEOA1761a	1394	SEOA1835a
1171	SEOA1546	1227	SEOA1622a	1283	SEOA1688a	1339	SEOA1762a	1395	SEOA1837a
1172	SEOA1547	1228	SEOA1623a	1284	SEOA1689a	1340	SEOA1763a	1396	SEOA1839a
1173	seo1548m	1229	seo1629a	1285	SEOA1690a	1341	SEOA1764a	1397	SEOA1844a
1174	SEOA1550	1230	SEOA1631a	1286	SEOA1691a	1342	SEOA1765a	1398	SEOA1845a
1175	SEOA1551	1231	SEOA1632a	1287	SEOA1692a	1343	seo1766a	1399	SEOA1847a
1176	SEOA1552	1232	SEOA1634a	1288	seo1694a	1344	SEOA1767a	1400	SEOA1848a

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1401	SEOA1850a	1457	seoa1926m	1513	SEOA2005	1569	seoa2077n	1625	SEOA2141
1402	SEOA1851a	1458	SEOA1927	1514	SEOA2006	1570	SEOA2078	1626	SEOA2142
1403	SEOA1853a	1459	seoa1928n	1515	SEOA2007	1571	SEOA2079	1627	SEOA2143
1404	SEOA1854a	1460	SEOA1931	1516	seoa2008n	1572	SEOA2080n	1628	SEOA2146n
1405	SEOA1856a	1461	SEOA1932	1517	SEOA2011	1573	SEOA2081	1629	SEOA2147
1406	SEOA1857a	1462	SEOA1935	1518	SEOA2012	1574	SEOA2082	1630	SEOA2148n
1407	SEOA1858a	1463	SEOA1936	1519	SEOA2013	1575	SEOA2083n	1631	SEOA2149
1408	SEOA1861a	1464	SEOA1937n	1520	SEOA2015	1576	SEOA2084	1632	SEOA2150
1409	SEOA1866a	1465	SEOA1938n	1521	SEOA2016	1577	SEOA2085	1633	SEOA2151
1410	SEOA1867a	1466	SEOA1940	1522	SEOA2018	1578	SEOA2087	1634	SEOA2152
1411	SEOA1869a	1467	SEOA1942	1523	SEOA2019	1579	SEOA2088	1635	SEOA2153n
1412	SEOA1872a	1468	SEOA1943	1524	seoa2022n	1580	SEOA2089	1636	SEOA2154n
1413	SEOA1873a	1469	SEOA1946	1525	SEOA2024a	1581	SEOA2090	1637	SEOA2155
1414	SEOA1874a	1470	SEOA1947	1526	SEOA2025	1582	SEOA2092	1638	SEOA2156n
1415	SEOA1875a	1471	SEOA1949	1527	SEOA2027	1583	SEOA2093	1639	SEOA2157
1416	SEOA1876a	1472	SEOA1950	1528	SEOA2028	1584	SEOA2094	1640	SEOA2158
1417	seoa1877a	1473	SEOA1952	1529	SEOA2029	1585	SEOA2095	1641	SEOA2159n
1418	SEOA1878	1474	SEOA1953	1530	SEOA2030	1586	SEOA2096	1642	SEOA2160
1419	SEOA1879	1475	SEOA1954	1531	seoa2032m	1587	seoa2097nn	1643	SEOA2162
1420	SEOA1880	1476	SEOA1955	1532	SEOA2034	1588	SEOA2098	1644	SEOA2163n
1421	seoa1881	1477	SEOA1956	1533	SEOA2035	1589	SEOA2099	1645	SEOA2164
1422	SEOA1882	1478	SEOA1957	1534	seoa2036	1590	SEOA2100	1646	SEOA2165
1423	SEOA1883	1479	SEOA1958	1535	seoa2037	1591	SEOA2101	1647	SEOA2166
1424	SEOA1884	1480	SEOA1960	1536	SEOA2039	1592	SEOA2102n	1648	SEOA2168n
1425	SEOA1885	1481	SEOA1961a	1537	SEOA2040	1593	SEOA2103n	1649	SEOA2169
1426	SEOA1886n	1482	SEOA1962a	1538	SEOA2041	1594	SEOA2104n	1650	SEOA2170
1427	SEOA1887	1483	SEOA1963a	1539	SEOA2042	1595	SEOA2106	1651	SEOA2171
1428	SEOA1888	1484	SEOA1964a	1540	SEOA2043	1596	SEOA2107	1652	SEOA2173
1429	SEOA1889n	1485	SEOA1965a	1541	SEOA2044	1597	SEOA2109	1653	seoa2174n
1430	SEOA1890n	1486	SEOA1966a	1542	seoa2045m	1598	SEOA2110n	1654	SEOA2175
1431	SEOA1891	1487	SEOA1967a	1543	SEOA2046	1599	SEOA2111	1655	SEOA2176
1432	SEOA1894	1488	SEOA1968a	1544	SEOA2047	1600	SEOA2112n	1656	seoa2177a
1433	SEOA1896	1489	SEOA1969a	1545	SEOA2048	1601	SEOA2113n	1657	SEOA2178a
1434	SEOA1897	1490	SEOA1971a	1546	SEOA2050	1602	SEOA2114	1658	SEOA2179a
1435	SEOA1898	1491	SEOA1972a	1547	SEOA2051	1603	SEOA2115	1659	SEOA2180a
1436	SEOA1899	1492	SEOA1973a	1548	SEOA2052	1604	SEOA2117	1660	SEOA2181a
1437	SEOA1900n	1493	SEOA1977a	1549	SEOA2053	1605	SEOA2118	1661	SEOA2183a
1438	SEOA1901	1494	SEOA1979a	1550	SEOA2054a	1606	SEOA2119	1662	SEOA2184a
1439	SEOA1902	1495	SEOA1980a	1551	SEOA2055n	1607	seoa2120	1663	SEOA2185a
1440	SEOA1903	1496	SEOA1981a	1552	SEOA2056	1608	seoa2121	1664	SEOA2186a
1441	SEOA1907	1497	SEOA1982a	1553	SEOA2057	1609	SEOA2122	1665	SEOA2188a
1442	SEOA1909	1498	seoa1983a	1554	seoa2058n	1610	seoa2123m	1666	SEOA2191a
1443	SEOA1910	1499	SEOA1985	1555	SEOA2059	1611	SEOA2124	1667	SEOA2193a
1444	SEOA1911n	1500	SEOA1987	1556	SEOA2061	1612	seoa2125	1668	SEOA2194a
1445	SEOA1912n	1501	SEOA1988a	1557	SEOA2062	1613	SEOA2126n	1669	SEOA2195a
1446	SEOA1913n	1502	SEOA1989	1558	SEOA2063	1614	SEOA2127n	1670	SEOA2199a
1447	seoa1914n	1503	SEOA1990	1559	SEOA2064	1615	SEOA2128	1671	SEOA2200a
1448	SEOA1915	1504	SEOA1991	1560	SEOA2065	1616	SEOA2130n	1672	SEOA2201a
1449	SEOA1916n	1505	SEOA1992	1561	SEOA2067n	1617	SEOA2132	1673	SEOA2202a
1450	SEOA1917	1506	SEOA1993	1562	SEOA2068	1618	SEOA2134n	1674	SEOA2203a
1451	seoa1918m	1507	SEOA1995	1563	SEOA2069	1619	SEOA2135	1675	SEOA2204a
1452	SEOA1919n	1508	SEOA1996	1564	SEOA2071	1620	SEOA2136	1676	SEOA2205a
1453	SEOA1921n	1509	SEOA1997	1565	seoa2072n	1621	SEOA2137	1677	SEOA2208a
1454	SEOA1923	1510	SEOA2000a	1566	SEOA2074n	1622	SEOA2138	1678	SEOA2209a
1455	SEOA1924n	1511	SEOA2001	1567	SEOA2075n	1623	SEOA2139	1679	SEOA2210a
1456	SEOA1925n	1512	SEOA2004	1568	SEOA2076	1624	SEOA2140	1680	SEOA2211a

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1681	seoa2212an	1737	SEOA2290a	1793	SEOA2394a	1849	SEOA2467	1905	SEOA2532
1682	SEOA2213a	1738	SEOA2291a	1794	SEOA2400a	1850	SEOA2468	1906	SEOA2534
1683	SEOA2214a	1739	SEOA2292a	1795	SEOA2401a	1851	seoa2469	1907	SEOA2535
1684	SEOA2215a	1740	seoa2293an	1796	SEOA2402a	1852	seoa2470n	1908	SEOA2536
1685	SEOA2217a	1741	SEOA2294a	1797	seoa2403a	1853	SEOA2471	1909	SEOA2537
1686	seoa2218a	1742	SEOA2295a	1798	SEOA2404a	1854	SEOA2472	1910	seoa2539
1687	SEOA2219a	1743	SEOA2296a	1799	SEOA2407	1855	seoa2473m	1911	SEOA2540
1688	SEOA2220a	1744	SEOA2298a	1800	SEOA2409	1856	SEOA2476	1912	SEOA2542
1689	SEOA2221a	1745	SEOA2300a	1801	SEOA2410	1857	SEOA2477	1913	SEOA2544
1690	SEOA2224a	1746	SEOA2301a	1802	SEOA2411	1858	SEOA2478	1914	SEOA2546
1691	SEOA2227a	1747	SEOA2302a	1803	seoa2412n	1859	SEOA2479	1915	seoa2547
1692	SEOA2230a	1748	SEOA2303a	1804	SEOA2413	1860	SEOA2480	1916	SEOA2548
1693	SEOA2232a	1749	SEOA2304a	1805	SEOA2414	1861	SEOA2481	1917	SEOA2550
1694	SEOA2233a	1750	SEOA2305a	1806	seoa2415	1862	seoa2482	1918	seoa2554
1695	SEOA2234a	1751	SEOA2308a	1807	SEOA2417a	1863	SEOA2484	1919	SEOA2555
1696	SEOA2235a	1752	SEOA2309a	1808	SEOA2418a	1864	SEOA2486	1920	SEOA2556
1697	SEOA2236a	1753	seoa2311a	1809	SEOA2419a	1865	SEOA2487	1921	SEOA2557
1698	SEOA2237a	1754	SEOA2313a	1810	SEOA2420a	1866	SEOA2488	1922	seoa2559m
1699	SEOA2238a	1755	SEOA2320a	1811	SEOA2421a	1867	seoa2489m	1923	SEOA2561
1700	SEOA2239a	1756	SEOA2326a	1812	SEOA2423a	1868	SEOA2490	1924	SEOA2562
1701	SEOA2240a	1757	SEOA2327a	1813	SEOA2424a	1869	seoa2491	1925	SEOA2564
1702	SEOA2241a	1758	SEOA2328a	1814	SEOA2425a	1870	SEOA2492	1926	SEOA2566
1703	SEOA2242a	1759	SEOA2331a	1815	SEOA2426a	1871	seoa2493	1927	SEOA2567
1704	SEOA2243a	1760	SEOA2333a	1816	SEOA2428a	1872	SEOA2495	1928	SEOA2568
1705	SEOA2244a	1761	SEOA2337a	1817	SEOA2429a	1873	seoa2496	1929	SEOA2571
1706	SEOA2245a	1762	SEOA2340a	1818	SEOA2430a	1874	SEOA2497	1930	seoa2572n
1707	SEOA2246a	1763	SEOA2341a	1819	SEOA2431a	1875	SEOA2498	1931	SEOA2573
1708	SEOA2251a	1764	SEOA2343a	1820	SEOA2432a	1876	SEOA2499	1932	SEOA2574
1709	SEOA2253a	1765	SEOA2345a	1821	SEOA2433a	1877	seoa2500m	1933	SEOA2575
1710	SEOA2254a	1766	SEOA2349a	1822	SEOA2434a	1878	SEOA2501	1934	seoa2576m
1711	SEOA2255a	1767	SEOA2350a	1823	SEOA2435a	1879	SEOA2502	1935	SEOA2578
1712	SEOA2256a	1768	SEOA2351a	1824	SEOA2436a	1880	SEOA2504	1936	seoa2579m
1713	SEOA2257a	1769	SEOA2352a	1825	SEOA2437a	1881	SEOA2505	1937	seoa2580m
1714	SEOA2258a	1770	SEOA2354a	1826	SEOA2439a	1882	SEOA2506	1938	SEOA2581
1715	SEOA2259a	1771	SEOA2355a	1827	SEOA2441a	1883	SEOA2507	1939	SEOA2583
1716	SEOA2260a	1772	SEOA2356a	1828	SEOA2442a	1884	SEOA2508	1940	seoa2584
1717	SEOA2261a	1773	SEOA2357a	1829	SEOA2443a	1885	SEOA2509	1941	seoa2585
1718	SEOA2262a	1774	SEOA2358a	1830	SEOA2444a	1886	seoa2510m	1942	SEOA2585
1719	seoa2263a	1775	SEOA2361a	1831	SEOA2445a	1887	SEOA2511	1943	SEOA2586
1720	SEOA2266a	1776	SEOA2362a	1832	SEOA2447a	1888	SEOA2512	1944	SEOA2588
1721	SEOA2268a	1777	SEOA2363a	1833	SEOA2448a	1889	SEOA2513	1945	SEOA2589
1722	SEOA2269a	1778	SEOA2365a	1834	SEOA2449a	1890	SEOA2514	1946	SEOA2592
1723	SEOA2270a	1779	SEOA2369a	1835	SEOA2451a	1891	seoa2515	1947	SEOA2593m
1724	SEOA2271a	1780	SEOA2371a	1836	SEOA2452a	1892	seoa2516	1948	SEOA2594
1725	SEOA2272a	1781	SEOA2372a	1837	SEOA2453a	1893	SEOA2517	1949	seoa2595
1726	SEOA2273a	1782	SEOA2375a	1838	SEOA2454a	1894	SEOA2518	1950	SEOA2596
1727	SEOA2274a	1783	SEOA2378a	1839	SEOA2455a	1895	SEOA2519	1951	seoa2599m
1728	SEOA2278a	1784	SEOA2381a	1840	SEOA2456a	1896	seoa2520m	1952	SEOA2601
1729	SEOA2279	1785	SEOA2383a	1841	SEOA2458a	1897	SEOA2522	1953	seoa2602n
1730	SEOA2283a	1786	SEOA2385a	1842	SEOA2459a	1898	SEOA2523	1954	SEOA2603
1731	SEOA2284a	1787	SEOA2386a	1843	SEOA2460a	1899	SEOA2524	1955	seoa2604m
1732	SEOA2285a	1788	SEOA2387a	1844	SEOA2461a	1900	SEOA2525	1956	seoa2606m
1733	SEOA2286a	1789	SEOA2388a	1845	SEOA2462a	1901	SEOA2527	1957	seoa2607mn
1734	SEOA2287a	1790	SEOA2389a	1846	SEOA2463a	1902	SEOA2528	1958	SEOA2609
1735	SEOA2288a	1791	SEOA2390a	1847	seoa2465	1903	SEOA2529	1959	SEOA2611
1736	SEOA2289a	1792	SEOA2391a	1848	SEOA2466	1904	SEOA2530	1960	seoa2612n

Figure 6E - Continued

1961	SEOA2613	2017	SEOA2676n	2073	SEOA2758	2129	seoa2826	2185	SEOA2899a
1962	SEOA2614	2018	seoa2678m	2074	SEOA2759	2130	SEOA2827	2186	SEOA2900a
1963	SEOA2615	2019	seoa2679m	2075	seoa2760n	2131	SEOA2828	2187	SEOA2901a
1964	SEOA2616	2020	seoa2680m	2076	SEOA2761	2132	SEOA2829	2188	SEOA2903a
1965	seoa2617n	2021	SEOA2681	2077	seoa2762	2133	SEOA2830	2189	SEOA2904a
1966	SEOA2618	2022	seoa2682m	2078	SEOA2763	2134	SEOA2831n	2190	SEOA2905a
1967	SEOA2619	2023	SEOA2683	2079	SEOA2764	2135	SEOA2832	2191	SEOA2906a
1968	SEOA2620	2024	SEOA2684	2080	SEOA2765	2136	SEOA2833n	2192	SEOA2907a
1969	seoa2621	2025	SEOA2685	2081	SEOA2766	2137	SEOA2837	2193	SEOA2908a
1970	seoa2622	2026	SEOA2686	2082	SEOA2767	2138	SEOA2838	2194	SEOA2909a
1971	seoa2623	2027	seoa2688m	2083	SEOA2768	2139	SEOA2839	2195	SEOA2910a
1972	SEOA2625	2028	seoa2690m	2084	SEOA2769	2140	SEOA2840	2196	SEOA2911a
1973	SEOA2626	2029	seoa2691m	2085	SEOA2770	2141	SEOA2841	2197	SEOA2912a
1974	SEOA2627	2030	seoa2692m	2086	SEOA2771	2142	SEOA2842	2198	SEOA2913a
1975	SEOA2628	2031	seoa2693m	2087	seoa2773	2143	SEOA2843	2199	SEOA2914a
1976	SEOA2629	2032	seoa2696m	2088	seoa2774n	2144	SEOA2844	2200	SEOA2915a
1977	SEOA2631	2033	seoa2698m	2089	SEOA2775	2145	SEOA2845	2201	SEOA2917a
1978	SEOA2632	2034	SEOA2699	2090	seoa2776m	2146	SEOA2846	2202	seoa2918an
1979	SEOA2633	2035	SEOA2700	2091	SEOA2777	2147	SEOA2847n	2203	SEOA2919a
1980	SEOA2635	2036	SEOA2702	2092	seoa2782n	2148	SEOA2848	2204	SEOA2920a
1981	SEOA2636	2037	SEOA2703	2093	seoa2783	2149	SEOA2850	2205	SEOA2921a
1982	SEOA2638	2038	seoa2704n	2094	SEOA2784	2150	SEOA2851	2206	SEOA2922a
1983	SEOA2639	2039	seoa2705m	2095	SEOA2786	2151	SEOA2852	2207	SEOA2924a
1984	seoa2640n	2040	SEOA2707	2096	SEOA2788	2152	SEOA2853	2208	SEOA2926a
1985	seoa2641n	2041	SEOA2708	2097	SEOA2789	2153	SEOA2854	2209	SEOA2927a
1986	SEOA2642	2042	seoa2710	2098	SEOA2790n	2154	SEOA2856	2210	SEOA2928a
1987	seoa2643m	2043	SEOA2712	2099	SEOA2792	2155	SEOA2858	2211	SEOA2929a
1988	SEOA2644	2044	SEOA2713	2100	SEOA2793	2156	SEOA2859	2212	SEOA2930a
1989	SEOA2645	2045	SEOA2714	2101	SEOA2794	2157	SEOA2860	2213	SEOA2931a
1990	seoa2647n	2046	SEOA2715	2102	SEOA2795n	2158	SEOA2861	2214	SEOA2932a
1991	SEOA2648	2047	SEOA2716	2103	SEOA2796n	2159	SEOA2862	2215	SEOA2933a
1992	SEOA2649	2048	seoa2718	2104	SEOA2797	2160	SEOA2863	2216	SEOA2934a
1993	seoa2650n	2049	SEOA2719	2105	SEOA2799	2161	SEOA2866	2217	SEOA2936a
1994	SEOA2651	2050	SEOA2720	2106	SEOA2800	2162	SEOA2867	2218	SEOA2937a
1995	SEOA2652	2051	SEOA2723	2107	SEOA2801	2163	SEOA2868	2219	SEOA2938a
1996	SEOA2653	2052	SEOA2726	2108	SEOA2802	2164	seoa2869m	2220	SEOA2940a
1997	SEOA2654	2053	SEOA2727	2109	SEOA2803	2165	SEOA2870	2221	SEOA2941a
1998	seoa2655n	2054	SEOA2728	2110	SEOA2804	2166	SEOA2871	2222	SEOA2942a
1999	SEOA2656	2055	SEOA2729	2111	SEOA2805	2167	SEOA2872	2223	SEOA2943a
2000	SEOA2657	2056	SEOA2732	2112	SEOA2806	2168	SEOA2874	2224	SEOA2944a
2001	SEOA2658	2057	SEOA2734	2113	seoa2807	2169	SEOA2875	2225	SEOA2945a
2002	SEOA2659	2058	seoa2738m	2114	seoa2809m	2170	SEOA2876	2226	SEOA2946a
2003	seoa2660m	2059	SEOA2739	2115	seoa2811	2171	SEOA2877	2227	SEOA2949a
2004	SEOA2661	2060	SEOA2740	2116	seoa2812m	2172	SEOA2879	2228	SEOA2952a
2005	seoa2662	2061	SEOA2741	2117	SEOA2813	2173	SEOA2882	2229	SEOA2954a
2006	SEOA2664	2062	SEOA2742	2118	SEOA2814	2174	SEOA2883n	2230	SEOA2955a
2007	SEOA2665	2063	SEOA2744	2119	SEOA2815	2175	SEOA2884n	2231	SEOA2956a
2008	SEOA2666	2064	SEOA2746	2120	seoa2816n	2176	SEOA2885n	2232	SEOA2957a
2009	SEOA2667	2065	SEOA2747	2121	SEOA2817n	2177	SEOA2886a	2233	SEOA2958a
2010	SEOA2668	2066	SEOA2750	2122	SEOA2818	2178	SEOA2889a	2234	SEOA2959a
2011	SEOA2669	2067	SEOA2751	2123	SEOA2819	2179	seoa2891a	2235	SEOA2961a
2012	SEOA2670	2068	seoa2752n	2124	seoa2820n	2180	SEOA2892a	2236	SEOA2962a
2013	seoa2672m	2069	SEOA2754	2125	SEOA2822	2181	SEOA2893a	2237	SEOA2964a
2014	seoa2674	2070	SEOA2755	2126	SEOA2823	2182	SEOA2895a	2238	SEOA2965a
2015	SEOA2675n	2071	SEOA2756	2127	SEOA2824	2183	SEOA2896a	2239	SEOA2966a
2016	seoa2676	2072	seoa2757n	2128	SEOA2825n	2184	seoa2898a	2240	SEOA2967a

Figure 6E - Continued

2241	SEOA2968a	2297	SEOA3036a	2353	SEOA3126a	2409	seoa3199m	2465	SEOA3268
2242	SEOA2970a	2298	SEOA3038a	2354	SEOA3127a	2410	SEOA3200	2466	SEOA3269
2243	SEOA2971a	2299	SEOA3041a	2355	SEOA3128a	2411	SEOA3201	2467	seoa3270n
2244	SEOA2972a	2300	SEOA3042a	2356	SEOA3129a	2412	SEOA3202	2468	seoa3271n
2245	SEOA2974a	2301	SEOA3043a	2357	SEOA3130a	2413	SEOA3204	2469	seoa3272n
2246	SEOA2975a	2302	SEOA3048a	2358	SEOA3131a	2414	seoa3205n	2470	SEOA3273n
2247	SEOA2977a	2303	SEOA3049a	2359	SEOA3132a	2415	SEOA3207	2471	SEOA3274n
2248	SEOA2978a	2304	seoa3051a	2360	SEOA3133a	2416	SEOA3208	2472	SEOA3276
2249	SEOA2979a	2305	SEOA3052a	2361	SEOA3134a	2417	seoa3209	2473	SEOA3277n
2250	SEOA2981a	2306	SEOA3053a	2362	SEOA3135a	2418	SEOA3212	2474	SEOA3287
2251	SEOA2982a	2307	seoa3055a	2363	seoa3137m	2419	SEOA3213	2475	SEOA3288
2252	SEOA2983a	2308	SEOA3057a	2364	SEOA3138	2420	SEOA3214	2476	seoa3289n
2253	SEOA2984a	2309	SEOA3062a	2365	SEOA3139	2421	SEOA3215	2477	seoa3290n
2254	SEOA2985a	2310	SEOA3063a	2366	SEOA3140	2422	seoa3216	2478	SEOA3291
2255	SEOA2986a	2311	SEOA3064a	2367	seoa3143n	2423	seoa3217	2479	SEOA3293
2256	SEOA2987a	2312	SEOA3065a	2368	SEOA3144	2424	SEOA3218	2480	SEOA3294
2257	SEOA2989a	2313	SEOA3067a	2369	seoa3145m	2425	SEOA3219	2481	seoa3295n
2258	SEOA2990a	2314	SEOA3069a	2370	seoa3146m	2426	seoa3221m	2482	SEOA3296
2259	SEOA2992a	2315	SEOA3070a	2371	SEOA3147	2427	SEOA3222	2483	SEOA3299
2260	SEOA2993a	2316	SEOA3074a	2372	SEOA3149	2428	SEOA3223	2484	SEOA3300
2261	SEOA2994a	2317	SEOA3075a	2373	seoa3150m	2429	SEOA3224	2485	SEOA3303
2262	SEOA2995a	2318	seoa3076a	2374	seoa3152m	2430	SEOA3225	2486	SEOA3305n
2263	SEOA2996a	2319	SEOA3077a	2375	seoa3153m	2431	seoa3226	2487	SEOA3306
2264	SEOA2997a	2320	SEOA3078a	2376	seoa3156mn	2432	SEOA3227	2488	SEOA3307
2265	SEOA2998a	2321	seoa3079a	2377	seoa3157m	2433	SEOA3228	2489	SEOA3308
2266	SEOA2999a	2322	SEOA3080a	2378	seoa3162m	2434	SEOA3229	2490	SEOA3309
2267	SEOA3000a	2323	seoa3081a	2379	seoa3164m	2435	SEOA3230	2491	seoa3311m
2268	SEOA3001a	2324	SEOA3083a	2380	SEOA3165	2436	seoa3231	2492	seoa3314a
2269	SEOA3002a	2325	seoa3084an	2381	SEOA3166	2437	SEOA3232	2493	SEOA3315a
2270	SEOA3003a	2326	SEOA3085a	2382	seoa3167m	2438	SEOA3233n	2494	seoa3317a
2271	SEOA3004a	2327	SEOA3088a	2383	seoa3168mn	2439	seoa3235mn	2495	SEOA3318a
2272	SEOA3006a	2328	SEOA3090a	2384	seoa3170m	2440	seoa3238	2496	SEOA3319a
2273	SEOA3007a	2329	SEOA3091a	2385	SEOA3171n	2441	seoa3239m	2497	SEOA3322a
2274	SEOA3008a	2330	SEOA3092a	2386	seoa3173n	2442	SEOA3240	2498	SEOA3324a
2275	seoa3009a	2331	SEOA3093a	2387	SEOA3174	2443	SEOA3241	2499	SEOA3325a
2276	SEOA3010a	2332	SEOA3094a	2388	SEOA3175	2444	SEOA3242n	2500	SEOA3328a
2277	SEOA3012a	2333	SEOA3095a	2389	seoa3176m	2445	SEOA3243	2501	SEOA3329a
2278	SEOA3013a	2334	SEOA3097a	2390	seoa3177m	2446	SEOA3244	2502	SEOA3330a
2279	SEOA3014a	2335	SEOA3098a	2391	seoa3178m	2447	SEOA3245	2503	SEOA3331a
2280	SEOA3015a	2336	SEOA3099a	2392	SEOA3179n	2448	SEOA3246	2504	SEOA3335a
2281	SEOA3016a	2337	SEOA3101a	2393	SEOA3180n	2449	SEOA3247	2505	SEOA3337a
2282	SEOA3017a	2338	SEOA3102a	2394	SEOA3181	2450	seoa3248	2506	SEOA3338a
2283	SEOA3018a	2339	SEOA3103a	2395	SEOA3183	2451	seoa3249	2507	SEOA3340a
2284	SEOA3019a	2340	SEOA3105a	2396	SEOA3184	2452	seoa3250m	2508	SEOA3341a
2285	SEOA3020a	2341	SEOA3106a	2397	SEOA3186	2453	seoa3251m	2509	SEOA3343a
2286	SEOA3021a	2342	SEOA3108a	2398	SEOA3187	2454	seoa3252m	2510	SEOA3344a
2287	SEOA3023a	2343	SEOA3109a	2399	SEOA3188	2455	seoa3254m	2511	SEOA3345a
2288	SEOA3026a	2344	SEOA3110a	2400	SEOA3189	2456	SEOA3255	2512	SEOA3348a
2289	SEOA3027a	2345	SEOA3111a	2401	SEOA3190	2457	SEOA3256n	2513	SEOA3349a
2290	SEOA3028a	2346	seoa3116an	2402	seoa3191n	2458	seoa3257m	2514	SEOA3350a
2291	SEOA3029a	2347	SEOA3117a	2403	SEOA3192	2459	seoa3258m	2515	SEOA3352a
2292	SEOA3031a	2348	SEOA3118a	2404	SEOA3194	2460	SEOA3261	2516	SEOA3353a
2293	SEOA3032a	2349	SEOA3121a	2405	SEOA3195	2461	SEOA3263	2517	SEOA3355a
2294	SEOA3033a	2350	SEOA3122a	2406	SEOA3196	2462	SEOA3264	2518	SEOA3356a
2295	SEOA3034a	2351	SEOA3124a	2407	SEOA3197	2463	SEOA3266	2519	SEOA3357a
2296	SEOA3035a	2352	SEOA3125a	2408	SEOA3198	2464	SEOA3267	2520	SEOA3358a

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2521	SEOA3359a	2577	seo3443a	2633	SEOA3535a	2689	SEOA3608a	2745	seo3675a
2522	SEOA3361a	2578	seo3444an	2634	SEOA3537a	2690	SEOA3609a	2746	SEOA3678a
2523	SEOA3363a	2579	SEOA3445a	2635	SEOA3538a	2691	seo3610an	2747	SEOA3679a
2524	SEOA3366a	2580	SEOA3446a	2636	SEOA3539a	2692	SEOA3613a	2748	SEOA3680a
2525	SEOA3369a	2581	seo3449a	2637	SEOA3540a	2693	SEOA3614a	2749	SEOA3683a
2526	SEOA3371a	2582	SEOA3450a	2638	SEOA3541a	2694	SEOA3615a	2750	SEOA3685a
2527	SEOA3373a	2583	SEOA3451a	2639	SEOA3542a	2695	SEOA3616a	2751	SEOA3686a
2528	SEOA3374a	2584	SEOA3454a	2640	SEOA3543a	2696	SEOA3617a	2752	seo3687an
2529	SEOA3375a	2585	SEOA3456a	2641	SEOA3544a	2697	SEOA3618a	2753	SEOA3688a
2530	SEOA3376a	2586	SEOA3457a	2642	SEOA3545a	2698	SEOA3620a	2754	SEOA3689a
2531	seo3378an	2587	SEOA3458a	2643	SEOA3546a	2699	SEOA3622a	2755	SEOA3690a
2532	seo3379an	2588	SEOA3466a	2644	SEOA3547a	2700	SEOA3623a	2756	SEOA3691a
2533	SEOA3381a	2589	SEOA3467a	2645	SEOA3548a	2701	SEOA3624a	2757	SEOA3692a
2534	SEOA3382a	2590	SEOA3468a	2646	SEOA3549a	2702	SEOA3625a	2758	SEOA3693a
2535	SEOA3383a	2591	SEOA3469a	2647	SEOA3551a	2703	SEOA3627a	2759	SEOA3694a
2536	SEOA3384a	2592	SEOA3472a	2648	SEOA3552a	2704	SEOA3628a	2760	SEOA3695a
2537	SEOA3385a	2593	SEOA3473a	2649	SEOA3554a	2705	seo3629an	2761	SEOA3697a
2538	SEOA3386a	2594	SEOA3474a	2650	SEOA3555a	2706	SEOA3630a	2762	SEOA3698a
2539	SEOA3387a	2595	seo3475an	2651	SEOA3556a	2707	SEOA3631a	2763	SEOA3700a
2540	SEOA3388a	2596	seo3476a	2652	SEOA3557a	2708	SEOA3632a	2764	SEOA3701a
2541	SEOA3389a	2597	SEOA3477a	2653	SEOA3559a	2709	SEOA3633a	2765	SEOA3702a
2542	SEOA3390a	2598	SEOA3478a	2654	SEOA3560a	2710	SEOA3634a	2766	SEOA3703a
2543	SEOA3391a	2599	SEOA3486a	2655	SEOA3561a	2711	SEOA3635a	2767	SEOA3704a
2544	SEOA3392a	2600	SEOA3489a	2656	SEOA3563a	2712	SEOA3637a	2768	SEOA3705a
2545	SEOA3393a	2601	SEOA3490a	2657	SEOA3564a	2713	seo3638an	2769	SEOA3706a
2546	SEOA3394a	2602	SEOA3491a	2658	SEOA3565a	2714	SEOA3639a	2770	SEOA3708a
2547	SEOA3395a	2603	SEOA3492a	2659	SEOA3566a	2715	SEOA3640a	2771	SEOA3709a
2548	SEOA3396a	2604	SEOA3494a	2660	SEOA3567a	2716	SEOA3641a	2772	SEOA3710a
2549	SEOA3397a	2605	SEOA3495a	2661	SEOA3568a	2717	SEOA3642a	2773	SEOA3711a
2550	SEOA3399a	2606	SEOA3496a	2662	SEOA3571a	2718	SEOA3643a	2774	SEOA3712a
2551	SEOA3400a	2607	SEOA3498a	2663	SEOA3572a	2719	SEOA3644a	2775	SEOA3713a
2552	SEOA3401a	2608	SEOA3499a	2664	SEOA3573a	2720	SEOA3645a	2776	SEOA3714a
2553	SEOA3402a	2609	SEOA3500a	2665	SEOA3575a	2721	SEOA3646a	2777	SEOA3715a
2554	SEOA3403a	2610	SEOA3501a	2666	SEOA3576a	2722	SEOA3647a	2778	seo3716a
2555	SEOA3404a	2611	SEOA3502a	2667	SEOA3577a	2723	SEOA3648a	2779	SEOA3717a
2556	SEOA3405a	2612	SEOA3503a	2668	SEOA3578a	2724	SEOA3650a	2780	SEOA3718a
2557	SEOA3408a	2613	SEOA3504a	2669	SEOA3579a	2725	SEOA3651a	2781	SEOA3719a
2558	seo3411an	2614	SEOA3505a	2670	SEOA3580a	2726	SEOA3652a	2782	SEOA3720a
2559	SEOA3412a	2615	SEOA3506a	2671	SEOA3582a	2727	SEOA3653a	2783	SEOA3721a
2560	seo3414an	2616	SEOA3507a	2672	SEOA3583a	2728	SEOA3654a	2784	SEOA3722a
2561	SEOA3415a	2617	SEOA3509a	2673	SEOA3584a	2729	SEOA3655a	2785	SEOA3725a
2562	SEOA3416a	2618	SEOA3510a	2674	SEOA3587a	2730	SEOA3658a	2786	SEOA3729a
2563	SEOA3417a	2619	SEOA3511a	2675	SEOA3588a	2731	SEOA3659a	2787	SEOA3731a
2564	SEOA3419a	2620	seo3512a	2676	SEOA3589a	2732	SEOA3660a	2788	SEOA3733a
2565	SEOA3420a	2621	SEOA3513a	2677	SEOA3591a	2733	SEOA3662a	2789	SEOA3734a
2566	SEOA3421a	2622	SEOA3514a	2678	seo3592a	2734	SEOA3663a	2790	SEOA3735a
2567	SEOA3422a	2623	SEOA3515a	2679	SEOA3593a	2735	SEOA3664a	2791	SEOA3736a
2568	seo3423an	2624	SEOA3516a	2680	seo3596an	2736	SEOA3665a	2792	SEOA3737a
2569	seo3424an	2625	SEOA3521a	2681	seo3597a	2737	SEOA3666a	2793	SEOA3738a
2570	SEOA3425a	2626	SEOA3524a	2682	SEOA3598a	2738	SEOA3667a	2794	SEOA3739a
2571	SEOA3426a	2627	SEOA3525a	2683	SEOA3600a	2739	SEOA3668a	2795	SEOA3740a
2572	SEOA3428a	2628	SEOA3527a	2684	SEOA3601a	2740	SEOA3669a	2796	SEOA3741a
2573	SEOA3429a	2629	SEOA3529a	2685	SEOA3602a	2741	SEOA3670a	2797	SEOA3742a
2574	SEOA3430a	2630	SEOA3530a	2686	SEOA3603a	2742	SEOA3671a	2798	seo3743an
2575	SEOA3433a	2631	SEOA3531a	2687	SEOA3604a	2743	SEOA3673a	2799	SEOA3744a
2576	SEOA3434a	2632	SEOA3533a	2688	SEOA3606a	2744	seo3674an	2800	SEOA3746a



Figure 6E – Continued

2801	SEOA3747a	2857	SEOA3827a	2913	SEOA3900	2969	SEOA3965a	3025	SEOA4037a
2802	SEOA3748a	2858	SEOA3828a	2914	SEOA3901	2970	SEOA3966a	3026	SEOA4038a
2803	SEOA3749a	2859	SEOA3835	2915	SEOA3902	2971	SEOA3967a	3027	SEOA4040a
2804	SEOA3750a	2860	seoa3836n	2916	SEOA3904	2972	SEOA3968a	3028	SEOA4041a
2805	SEOA3751a	2861	SEOA3837	2917	SEOA3905	2973	SEOA3970a	3029	SEOA4043a
2806	SEOA3752a	2862	SEOA3838	2918	SEOA3906	2974	SEOA3971a	3030	SEOA4044a
2807	SEOA3755a	2863	SEOA3839	2919	SEOA3907	2975	SEOA3972a	3031	SEOA4048a
2808	SEOA3757a	2864	SEOA3840	2920	SEOA3908	2976	SEOA3973a	3032	SEOA4052a
2809	SEOA3758a	2865	SEOA3841	2921	SEOA3909	2977	SEOA3974a	3033	SEOA4053a
2810	SEOA3759a	2866	SEOA3842	2922	SEOA3910	2978	seoa3975a	3034	SEOA4055
2811	SEOA3761a	2867	SEOA3843	2923	SEOA3911	2979	SEOA3976a	3035	SEOA4056
2812	SEOA3763a	2868	SEOA3844	2924	SEOA3912	2980	SEOA3977a	3036	seoa4057
2813	SEOA3765a	2869	SEOA3845	2925	SEOA3913	2981	SEOA3978a	3037	seoa4058n
2814	SEOA3766a	2870	SEOA3846	2926	seoa3914n	2982	SEOA3980a	3038	SEOA4061
2815	SEOA3767a	2871	SEOA3847	2927	SEOA3916	2983	SEOA3981a	3039	SEOA4062
2816	SEOA3768a	2872	SEOA3848	2928	SEOA3917	2984	SEOA3982a	3040	SEOA4063
2817	SEOA3770a	2873	SEOA3849	2929	SEOA3918	2985	SEOA3983a	3041	SEOA4066
2818	SEOA3771	2874	SEOA3850	2930	SEOA3919	2986	SEOA3987a	3042	seoa4068
2819	SEOA3773a	2875	SEOA3852	2931	SEOA3920	2987	SEOA3988a	3043	SEOA4070
2820	SEOA3774a	2876	SEOA3853	2932	SEOA3921	2988	SEOA3989a	3044	SEOA4072
2821	SEOA3775a	2877	SEOA3855	2933	SEOA3922	2989	SEOA3990a	3045	SEOA4075
2822	SEOA3776a	2878	SEOA3856	2934	SEOA3923	2990	SEOA3993a	3046	SEOA4076
2823	SEOA3777a	2879	SEOA3857	2935	seoa3924	2991	SEOA3995a	3047	SEOA4077
2824	SEOA3778a	2880	SEOA3858	2936	SEOA3925	2992	SEOA3996a	3048	SEOA4078
2825	SEOA3779a	2881	SEOA3859	2937	SEOA3926	2993	SEOA3997a	3049	seoa4079
2826	SEOA3780a	2882	SEOA3860	2938	SEOA3927	2994	SEOA3998a	3050	SEOA4081
2827	seoa3790a	2883	SEOA3861	2939	SEOA3929	2995	seoa3999a	3051	SEOA4082
2828	SEOA3791a	2884	SEOA3862	2940	SEOA3930	2996	SEOA4000a	3052	SEOA4083
2829	SEOA3792a	2885	SEOA3863	2941	SEOA3931	2997	seoa4001a	3053	SEOA4084
2830	SEOA3793a	2886	SEOA3864	2942	SEOA3932	2998	SEOA4002a	3054	SEOA4085
2831	seoa3794an	2887	SEOA3867	2943	SEOA3933	2999	SEOA4003a	3055	SEOA4086
2832	seoa3795a	2888	seoa3868	2944	SEOA3934	3000	SEOA4005a	3056	SEOA4087
2833	SEOA3796a	2889	SEOA3870	2945	SEOA3935	3001	SEOA4006a	3057	SEOA4088
2834	SEOA3797a	2890	SEOA3871	2946	SEOA3936	3002	SEOA4007a	3058	SEOA4092
2835	SEOA3799a	2891	SEOA3872	2947	SEOA3937	3003	SEOA4009a	3059	SEOA4094
2836	seoa3800a	2892	SEOA3875	2948	seoa3938n	3004	SEOA4010a	3060	SEOA4095
2837	SEOA3801a	2893	SEOA3876	2949	SEOA3939	3005	SEOA4011a	3061	SEOA4098a
2838	SEOA3802a	2894	seoa3877n	2950	SEOA3940	3006	SEOA4012a	3062	SEOA4099a
2839	SEOA3803a	2895	SEOA3878	2951	SEOA3941	3007	SEOA4013a	3063	seoa4100a
2840	SEOA3804a	2896	SEOA3879	2952	SEOA3942a	3008	seoa4014a	3064	SEOA4101a
2841	SEOA3807a	2897	SEOA3881	2953	SEOA3944a	3009	SEOA4017a	3065	seoa4102an
2842	SEOA3808a	2898	SEOA3883	2954	SEOA3946a	3010	SEOA4019a	3066	SEOA4106a
2843	SEOA3810a	2899	SEOA3884	2955	SEOA3947a	3011	SEOA4020a	3067	SEOA4107a
2844	SEOA3811a	2900	SEOA3885	2956	SEOA3948a	3012	SEOA4021a	3068	SEOA4108a
2845	SEOA3812a	2901	SEOA3886	2957	SEOA3949a	3013	SEOA4022a	3069	SEOA4109a
2846	SEOA3813a	2902	SEOA3887	2958	SEOA3953a	3014	SEOA4023a	3070	SEOA4110a
2847	SEOA3814a	2903	seoa3890n	2959	SEOA3954a	3015	SEOA4024a	3071	SEOA4111a
2848	SEOA3815a	2904	SEOA3891	2960	SEOA3956a	3016	SEOA4025a	3072	SEOA4112a
2849	SEOA3816a	2905	SEOA3892	2961	SEOA3957a	3017	SEOA4026a	3073	SEOA4115a
2850	SEOA3817a	2906	SEOA3893	2962	SEOA3958a	3018	SEOA4027a	3074	SEOA4116a
2851	SEOA3819a	2907	SEOA3894	2963	SEOA3959a	3019	SEOA4029a	3075	SEOA4119a
2852	SEOA3820a	2908	SEOA3895	2964	SEOA3960a	3020	SEOA4031a	3076	SEOA4120a
2853	SEOA3821a	2909	seoa3896n	2965	SEOA3961a	3021	SEOA4032a	3077	SEOA4121a
2854	SEOA3822a	2910	SEOA3897	2966	SEOA3962a	3022	SEOA4034a	3078	seoa4122a
2855	SEOA3824a	2911	seoa3898n	2967	SEOA3963a	3023	SEOA4035a	3079	seoa4123an
2856	SEOA3825a	2912	seoa3899n	2968	SEOA3964a	3024	SEOA4036a	3080	SEOA4125a

Figure 6E – Continued

3081	SEO44127a	3137	SEO44204a	3193	seo4300a	3249	SEO44381a	3305	SEO44455a
3082	SEO44128a	3138	SEO44205a	3194	SEO44301a	3250	SEO44382a	3306	SEO44457a
3083	SEO44129a	3139	SEO44206a	3195	SEO44302a	3251	seo4383a	3307	SEO44458a
3084	SEO44131a	3140	SEO44207a	3196	SEO44303a	3252	SEO44384a	3308	SEO44460a
3085	SEO44132a	3141	SEO44208a	3197	SEO44305a	3253	SEO44385a	3309	SEO44461a
3086	SEO44133a	3142	SEO44210a	3198	SEO44306a	3254	SEO44386a	3310	SEO44462a
3087	SEO44135a	3143	seo44211a	3199	seo44309a	3255	SEO44387a	3311	SEO44463a
3088	SEO44137a	3144	SEO44213a	3200	SEO44310a	3256	seo44388a	3312	SEO44464a
3089	SEO44139a	3145	SEO44214a	3201	SEO44311a	3257	SEO44390a	3313	SEO44467a
3090	SEO44140a	3146	SEO44215a	3202	SEO44312a	3258	SEO44391a	3314	SEO44469a
3091	SEO44141a	3147	SEO44217a	3203	SEO44314a	3259	SEO44392a	3315	SEO44473a
3092	SEO44142a	3148	SEO44218a	3204	SEO44315a	3260	SEO44394a	3316	SEO44475a
3093	SEO44144a	3149	SEO44221a	3205	SEO44316a	3261	SEO44395a	3317	SEO44476a
3094	SEO44146a	3150	SEO44223a	3206	SEO44317a	3262	SEO44396a	3318	SEO44477a
3095	SEO44147a	3151	SEO44224a	3207	SEO44319a	3263	SEO44397a	3319	SEO44478a
3096	SEO44148a	3152	SEO44225a	3208	SEO44320a	3264	SEO44398a	3320	SEO44479a
3097	seo44149an	3153	SEO44229a	3209	SEO44322a	3265	SEO44400a	3321	SEO44481
3098	SEO44151a	3154	SEO44230a	3210	SEO44323a	3266	SEO44402a	3322	SEO44482
3099	SEO44152a	3155	SEO44231a	3211	SEO44324a	3267	SEO44403a	3323	SEO44484
3100	SEO44154a	3156	seo44232a	3212	SEO44325a	3268	SEO44404a	3324	SEO44485
3101	SEO44155a	3157	SEO44234a	3213	SEO44327a	3269	SEO44405a	3325	SEO44487
3102	SEO44156a	3158	SEO44239a	3214	SEO44329a	3270	SEO44406a	3326	SEO44489
3103	SEO44157a	3159	SEO44241a	3215	SEO44330a	3271	SEO44408a	3327	SEO44490
3104	SEO44158a	3160	SEO44242a	3216	SEO44332a	3272	SEO44409a	3328	SEO44491
3105	SEO44159a	3161	SEO44245a	3217	SEO44333	3273	SEO44410a	3329	SEO44492
3106	SEO44160a	3162	SEO44246a	3218	SEO44335a	3274	SEO44411a	3330	SEO44494
3107	SEO44163a	3163	SEO44247a	3219	SEO44336a	3275	SEO44412a	3331	SEO44495
3108	SEO44164a	3164	SEO44248a	3220	seo44337an	3276	SEO44413a	3332	SEO44496
3109	SEO44165a	3165	SEO44250a	3221	SEO44338a	3277	SEO44414a	3333	SEO44497
3110	SEO44167a	3166	SEO44253a	3222	SEO44341a	3278	SEO44416a	3334	SEO44498
3111	SEO44169a	3167	SEO44255a	3223	SEO44342a	3279	SEO44418a	3335	SEO44499
3112	SEO44170a	3168	SEO44257a	3224	SEO44343a	3280	SEO44420a	3336	SEO44501
3113	SEO44171a	3169	SEO44258a	3225	SEO44346a	3281	SEO44421a	3337	SEO44502
3114	SEO44172a	3170	seo44261a	3226	SEO44347a	3282	SEO44422a	3338	SEO44504
3115	SEO44173a	3171	SEO44262a	3227	SEO44348a	3283	SEO44423a	3339	SEO44505
3116	SEO44174a	3172	SEO44263a	3228	SEO44350a	3284	SEO44424a	3340	SEO44506
3117	SEO44175a	3173	SEO44264a	3229	SEO44352a	3285	SEO44425a	3341	SEO44507
3118	SEO44177a	3174	SEO44265a	3230	SEO44354a	3286	seo44427a	3342	SEO44508
3119	SEO44178a	3175	SEO44266a	3231	SEO44355a	3287	SEO44428a	3343	SEO44510
3120	SEO44181a	3176	SEO44271a	3232	SEO44356a	3288	SEO44429a	3344	SEO44511
3121	SEO44183a	3177	SEO44274a	3233	SEO44358a	3289	SEO44430a	3345	SEO44513
3122	SEO44184a	3178	SEO44277a	3234	SEO44359a	3290	SEO44431a	3346	SEO44515
3123	SEO44185a	3179	SEO44278a	3235	SEO44360a	3291	SEO44436a	3347	SEO44516
3124	SEO44186a	3180	SEO44280a	3236	SEO44363a	3292	SEO44437a	3348	SEO44517
3125	SEO44187a	3181	SEO44281a	3237	SEO44366a	3293	SEO44440	3349	SEO44518
3126	SEO44188a	3182	SEO44282a	3238	seo44367an	3294	SEO44443a	3350	SEO44519
3127	SEO44189a	3183	SEO44284a	3239	SEO44368a	3295	SEO44444a	3351	SEO44521
3128	SEO44190a	3184	SEO44288a	3240	SEO44369a	3296	seo44445a	3352	SEO44522
3129	SEO44193a	3185	SEO44289a	3241	SEO44370a	3297	SEO44446a	3353	SEO44523
3130	SEO44194a	3186	SEO44291a	3242	SEO44371a	3298	seo44447a	3354	SEO44524
3131	SEO44197a	3187	SEO44292a	3243	SEO44373a	3299	SEO44448a	3355	seo44526
3132	SEO44198a	3188	SEO44293a	3244	SEO44376a	3300	SEO44449a	3356	SEO44529
3133	SEO44199a	3189	SEO44294a	3245	SEO44377a	3301	SEO44450a	3357	SEO44530
3134	SEO44200a	3190	SEO44296a	3246	SEO44378a	3302	SEO44451a	3358	SEO44531
3135	SEO44201a	3191	SEO44298a	3247	SEO44379a	3303	SEO44452a	3359	SEO44532
3136	SEO44202a	3192	SEO44299a	3248	SEO44380a	3304	SEO44453a	3360	SEO44534

Figure 6E - Continued

3361	SEOA4535	3417	SEOA4607a	3473	SEOA4686a	3529	SEOA4751a	3585	SEOA4824a
3362	SEOA4536	3418	SEOA4608a	3474	SEOA4687a	3530	SEOA4752a	3586	SEOA4825a
3363	SEOA4537	3419	SEOA4610a	3475	SEOA4688a	3531	SEOA4753a	3587	SEOA4826a
3364	SEOA4538	3420	SEOA4611a	3476	SEOA4689a	3532	SEOA4754a	3588	SEOA4827a
3365	SEOA4539	3421	SEOA4612a	3477	SEOA4690a	3533	SEOA4755a	3589	SEOA4828a
3366	SEOA4540	3422	SEOA4613a	3478	SEOA4691a	3534	SEOA4756a	3590	SEOA4829a
3367	SEOA4541	3423	SEOA4614a	3479	SEOA4692a	3535	SEOA4758a	3591	SEOA4830a
3368	SEOA4542	3424	SEOA4616a	3480	seoa4693a	3536	SEOA4759a	3592	SEOA4831a
3369	SEOA4543	3425	SEOA4617a	3481	SEOA4694a	3537	SEOA4760a	3593	SEOA4834a
3370	SEOA4544	3426	SEOA4618a	3482	SEOA4695a	3538	SEOA4764a	3594	SEOA4836a
3371	SEOA4545	3427	SEOA4619a	3483	SEOA4696a	3539	SEOA4765a	3595	SEOA4837a
3372	SEOA4546	3428	SEOA4620a	3484	SEOA4697a	3540	SEOA4766a	3596	SEOA4838a
3373	SEOA4548	3429	SEOA4623a	3485	SEOA4698a	3541	SEOA4767a	3597	SEOA4839a
3374	SEOA4549	3430	SEOA4625a	3486	SEOA4699a	3542	SEOA4768a	3598	SEOA4840a
3375	SEOA4550	3431	SEOA4626a	3487	seoa4700a	3543	SEOA4769a	3599	SEOA4846a
3376	SEOA4554	3432	SEOA4628a	3488	SEOA4703a	3544	SEOA4770a	3600	SEOA4847a
3377	SEOA4555	3433	SEOA4630a	3489	seoa4704	3545	SEOA4771a	3601	SEOA4848a
3378	SEOA4557	3434	SEOA4631a	3490	seoa4705an	3546	SEOA4772a	3602	SEOA4849a
3379	SEOA4558	3435	seoa4632a	3491	SEOA4706a	3547	SEOA4773a	3603	SEOA4850a
3380	SEOA4559	3436	SEOA4634a	3492	SEOA4707a	3548	SEOA4775a	3604	SEOA4852a
3381	SEOA4560	3437	SEOA4635a	3493	SEOA4708a	3549	SEOA4778a	3605	SEOA4853a
3382	SEOA4561	3438	SEOA4636a	3494	SEOA4709a	3550	SEOA4780a	3606	SEOA4854a
3383	SEOA4562	3439	SEOA4637a	3495	SEOA4710a	3551	SEOA4781a	3607	SEOA4855a
3384	SEOA4563	3440	SEOA4639a	3496	seoa4711an	3552	SEOA4783a	3608	SEOA4857a
3385	SEOA4564	3441	SEOA4640a	3497	seoa4712a	3553	SEOA4784a	3609	SEOA4858a
3386	SEOA4569	3442	SEOA4641a	3498	SEOA4713a	3554	SEOA4785a	3610	SEOA4859a
3387	SEOA4570	3443	SEOA4642a	3499	SEOA4714a	3555	SEOA4786a	3611	SEOA4860a
3388	SEOA4571	3444	SEOA4643a	3500	SEOA4715a	3556	SEOA4787a	3612	SEOA4862a
3389	SEOA4573	3445	seoa4644an	3501	SEOA4716a	3557	SEOA4789a	3613	SEOA4863a
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3391	SEOA4575	3447	SEOA4646a	3503	SEOA4718a	3559	SEOA4791a	3615	SEOA4866a
3392	SEOA4576	3448	SEOA4647a	3504	SEOA4719a	3560	SEOA4792a	3616	SEOA4867a
3393	SEOA4577	3449	SEOA4649a	3505	SEOA4720a	3561	SEOA4794a	3617	SEOA4868a
3394	SEOA4578	3450	SEOA4651a	3506	SEOA4721a	3562	SEOA4795a	3618	SEOA4869a
3395	SEOA4579	3451	SEOA4653a	3507	SEOA4722a	3563	SEOA4796a	3619	SEOA4870a
3396	SEOA4580	3452	SEOA4655a	3508	SEOA4723a	3564	SEOA4798a	3620	SEOA4871a
3397	SEOA4581	3453	seoa4656a	3509	SEOA4724a	3565	SEOA4799a	3621	SEOA4872a
3398	SEOA4582	3454	SEOA4657a	3510	seoa4726a	3566	SEOA4802a	3622	SEOA4873a
3399	SEOA4583	3455	SEOA4658a	3511	SEOA4727a	3567	SEOA4803a	3623	seoa4875a
3400	SEOA4584	3456	SEOA4660a	3512	SEOA4728a	3568	SEOA4804a	3624	SEOA4876a
3401	SEOA4585	3457	SEOA4662a	3513	SEOA4730a	3569	SEOA4805a	3625	SEOA4877a
3402	SEOA4586	3458	SEOA4663a	3514	SEOA4731a	3570	SEOA4806a	3626	SEOA4878a
3403	SEOA4587	3459	SEOA4665a	3515	seoa4732an	3571	SEOA4808a	3627	SEOA4879a
3404	SEOA4588	3460	SEOA4667a	3516	SEOA4734a	3572	SEOA4809a	3628	SEOA4880a
3405	SEOA4590	3461	SEOA4669a	3517	SEOA4736a	3573	SEOA4810a	3629	SEOA4881a
3406	SEOA4591	3462	SEOA4670a	3518	SEOA4737a	3574	SEOA4811a	3630	SEOA4883a
3407	SEOA4594	3463	SEOA4671a	3519	SEOA4739a	3575	SEOA4812a	3631	SEOA4885a
3408	SEOA4595	3464	SEOA4673a	3520	SEOA4740a	3576	SEOA4813a	3632	SEOA4886a
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3410	SEOA4599	3466	SEOA4675a	3522	SEOA4742a	3578	SEOA4815a	3634	SEOA4890a
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3412	SEOA4601a	3468	SEOA4681a	3524	SEOA4744a	3580	SEOA4818a	3636	seoa4892a
3413	SEOA4602a	3469	SEOA4682a	3525	SEOA4745a	3581	SEOA4819a	3637	seoa4893a
3414	SEOA4603a	3470	SEOA4683a	3526	SEOA4746a	3582	SEOA4820a	3638	seoa4894a
3415	SEOA4605a	3471	SEOA4684a	3527	SEOA4747a	3583	SEOA4821a	3639	seoa4895a
3416	SEOA4606a	3472	SEOA4685a	3528	SEOA4748a	3584	SEOA4822a	3640	seoa4896a

Figure 6E - Continued

3641	seo4899a	3697	seo4978a	3753	SEO5082a	3809	SEO5151a	3865	SEO5265a
3642	seo4901a	3698	seo4980a	3754	SEO5083a	3810	SEO5153a	3866	SEO5267a
3643	seo4903a	3699	seo4981a	3755	SEO5084a	3811	SEO5154a	3867	SEO5269a
3644	seo4905a	3700	seo4985a	3756	seo5085a	3812	SEO5155a	3868	SEO5270a
3645	seo4906a	3701	seo4986a	3757	SEO5086a	3813	SEO5156a	3869	SEO5272a
3646	seo4909a	3702	seo4987a	3758	SEO5087a	3814	SEO5157a	3870	SEO5273a
3647	seo4910a	3703	seo4988a	3759	SEO5088a	3815	SEO5158a	3871	SEO5274a
3648	seo4911a	3704	seo4989a	3760	SEO5089a	3816	SEO5162a	3872	SEO5275a
3649	seo4914a	3705	seo4993a	3761	SEO5090a	3817	SEO5163a	3873	SEO5276a
3650	seo4915a	3706	seo4996a	3762	SEO5091a	3818	SEO5164a	3874	seo5277a
3651	seo4916a	3707	seo4997a	3763	SEO5093a	3819	SEO5165a	3875	SEO5278a
3652	seo4917a	3708	seo4998a	3764	SEO5094a	3820	SEO5166a	3876	SEO5279a
3653	seo4919a	3709	SEO5004a	3765	SEO5095a	3821	SEO5167a	3877	SEO5280a
3654	seo4920a	3710	SEO5005a	3766	SEO5096a	3822	SEO5170a	3878	SEO5281a
3655	seo4922a	3711	SEO5009a	3767	SEO5098a	3823	SEO5173a	3879	SEO5282a
3656	seo4923a	3712	SEO5010a	3768	SEO5099a	3824	SEO5174a	3880	SEO5284a
3657	seo4924a	3713	SEO5011a	3769	SEO5101a	3825	SEO5176a	3881	SEO5285a
3658	seo4925a	3714	SEO5012a	3770	seo5103a	3826	SEO5196a	3882	seo5286a
3659	seo4926a	3715	SEO5017a	3771	SEO5104a	3827	SEO5201a	3883	SEO5289a
3660	seo4927a	3716	SEO5025a	3772	SEO5105a	3828	SEO5202a	3884	SEO5290a
3661	seo4929a	3717	SEO5026a	3773	SEO5106a	3829	SEO5203a	3885	SEO5291a
3662	seo4930a	3718	SEO5028a	3774	SEO5107a	3830	SEO5204a	3886	SEO5292a
3663	seo4931a	3719	SEO5029a	3775	SEO5109a	3831	SEO5209a	3887	SEO5293a
3664	seo4932a	3720	SEO5030a	3776	SEO5110a	3832	SEO5210	3888	SEO5294a
3665	seo4933a	3721	SEO5033a	3777	SEO5111a	3833	SEO5211a	3889	SEO5296a
3666	seo4934a	3722	SEO5034a	3778	SEO5112a	3834	SEO5212a	3890	SEO5297a
3667	seo4938a	3723	SEO5035a	3779	SEO5113a	3835	SEO5214a	3891	SEO5298a
3668	seo4939a	3724	SEO5036a	3780	SEO5114a	3836	SEO5217a	3892	SEO5299a
3669	seo4940a	3725	SEO5037a	3781	SEO5115a	3837	SEO5218a	3893	SEO5300a
3670	seo4941a	3726	SEO5038a	3782	SEO5116a	3838	SEO5220a	3894	SEO5302a
3671	seo4942a	3727	seo5043an	3783	SEO5117a	3839	seo5223a	3895	SEO5303a
3672	seo4943a	3728	SEO5046a	3784	SEO5118a	3840	SEO5224a	3896	SEO5304a
3673	seo4945a	3729	SEO5047a	3785	SEO5119a	3841	SEO5225a	3897	SEO5309a
3674	seo4946a	3730	SEO5048a	3786	SEO5121a	3842	SEO5226a	3898	SEO5310a
3675	seo4948a	3731	SEO5051a	3787	SEO5125a	3843	seo5227a	3899	SEO5311a
3676	seo4949a	3732	SEO5052a	3788	SEO5126a	3844	SEO5228a	3900	SEO5312a
3677	seo4950a	3733	SEO5055a	3789	SEO5127a	3845	SEO5229a	3901	SEO5313a
3678	seo4952a	3734	SEO5056a	3790	SEO5128a	3846	SEO5231a	3902	SEO5314a
3679	seo4953a	3735	SEO5057a	3791	SEO5129a	3847	SEO5232a	3903	SEO5315a
3680	seo4954a	3736	seo5058an	3792	SEO5131a	3848	SEO5234a	3904	SEO5316a
3681	seo4955a	3737	SEO5059a	3793	SEO5133a	3849	SEO5235a	3905	SEO5317a
3682	seo4956a	3738	seo5060an	3794	SEO5135a	3850	SEO5239a	3906	SEO5318a
3683	seo4957a	3739	SEO5061a	3795	SEO5136a	3851	SEO5242a	3907	SEO5319a
3684	seo4958a	3740	SEO5062a	3796	SEO5137a	3852	SEO5244a	3908	seo5320an
3685	seo4959a	3741	SEO5063a	3797	SEO5138a	3853	SEO5245a	3909	SEO5323a
3686	seo4961a	3742	SEO5065a	3798	SEO5139a	3854	SEO5246a	3910	SEO5324a
3687	seo4962a	3743	SEO5067a	3799	SEO5140a	3855	SEO5247a	3911	SEO5325a
3688	seo4963a	3744	SEO5068a	3800	SEO5141a	3856	SEO5248a	3912	SEO5327a
3689	seo4964a	3745	SEO5069a	3801	SEO5142a	3857	SEO5249a	3913	SEO5328a
3690	seo4966a	3746	SEO5070a	3802	SEO5143a	3858	SEO5250a	3914	SEO5329a
3691	seo4969a	3747	SEO5074a	3803	SEO5144a	3859	SEO5251a	3915	SEO5330a
3692	seo4970a	3748	SEO5076a	3804	SEO5145a	3860	SEO5253a	3916	SEO5331a
3693	seo4971a	3749	SEO5077a	3805	SEO5146a	3861	SEO5254a	3917	SEO5333a
3694	seo4973a	3750	SEO5078a	3806	SEO5147a	3862	SEO5255a	3918	seo5335a
3695	seo4974a	3751	SEO5079a	3807	SEO5148a	3863	SEO5258a	3919	SEO5341
3696	seo4977a	3752	SEO5081a	3808	SEO5149a	3864	SEO5264a	3920	SEO5342

Figure 6E - Continued

3921	SEOA5343	3977	SEOA5412	4033	SEOA5486a	4089	SEOA5548a	4145	SEOA5620a
3922	SEOA5345	3978	SEOA5413	4034	SEOA5488a	4090	SEOA5549a	4146	SEOA5621a
3923	SEOA5347	3979	SEOA5414	4035	SEOA5489a	4091	SEOA5550a	4147	SEOA5622a
3924	seo5348	3980	SEOA5415	4036	SEOA5490a	4092	SEOA5551a	4148	SEOA5623a
3925	SEOA5349	3981	SEOA5416	4037	SEOA5491a	4093	SEOA5552a	4149	SEOA5624a
3926	SEOA5350	3982	SEOA5418	4038	SEOA5492a	4094	SEOA5553a	4150	SEOA5626a
3927	SEOA5351	3983	SEOA5419	4039	SEOA5493a	4095	SEOA5554a	4151	SEOA5627a
3928	SEOA5352	3984	SEOA5420	4040	SEOA5494a	4096	SEOA5555a	4152	SEOA5628a
3929	SEOA5353	3985	SEOA5422	4041	SEOA5497a	4097	SEOA5556a	4153	SEOA5630a
3930	SEOA5354	3986	SEOA5425	4042	SEOA5498a	4098	SEOA5557a	4154	SEOA5634a
3931	SEOA5355	3987	SEOA5426	4043	SEOA5499a	4099	SEOA5558a	4155	SEOA5635a
3932	SEOA5356	3988	SEOA5428	4044	SEOA5500a	4100	SEOA5559a	4156	SEOA5636a
3933	SEOA5357	3989	SEOA5429	4045	SEOA5501a	4101	SEOA5560a	4157	SEOA5637a
3934	SEOA5358	3990	SEOA5432	4046	SEOA5502a	4102	SEOA5563a	4158	SEOA5639a
3935	SEOA5359	3991	SEOA5433	4047	SEOA5503a	4103	SEOA5565a	4159	SEOA5640a
3936	SEOA5360	3992	SEOA5436	4048	seo5504an	4104	SEOA5566a	4160	SEOA5641a
3937	SEOA5363	3993	SEOA5437	4049	SEOA5505a	4105	SEOA5567a	4161	SEOA5642a
3938	SEOA5365	3994	SEOA5438	4050	SEOA5506a	4106	SEOA5568a	4162	SEOA5643a
3939	SEOA5366	3995	SEOA5441	4051	SEOA5507a	4107	SEOA5569a	4163	SEOA5644a
3940	SEOA5367	3996	SEOA5442	4052	seo5508a	4108	SEOA5572a	4164	SEOA5646a
3941	SEOA5368	3997	SEOA5443	4053	SEOA5509a	4109	SEOA5573a	4165	SEOA5648a
3942	SEOA5370	3998	SEOA5444	4054	SEOA5510a	4110	SEOA5574a	4166	SEOA5649a
3943	SEOA5371	3999	SEOA5445	4055	SEOA5511a	4111	SEOA5575a	4167	SEOA5651a
3944	SEOA5372	4000	SEOA5446	4056	SEOA5512a	4112	SEOA5576a	4168	SEOA5652a
3945	SEOA5373	4001	SEOA5447	4057	SEOA5513a	4113	SEOA5577a	4169	SEOA5653a
3946	SEOA5374	4002	SEOA5448	4058	SEOA5515a	4114	SEOA5578a	4170	SEOA5654a
3947	SEOA5376	4003	SEOA5449	4059	SEOA5517a	4115	SEOA5579a	4171	SEOA5655a
3948	SEOA5380	4004	seo5450	4060	SEOA5518a	4116	SEOA5580a	4172	SEOA5656a
3949	SEOA5381	4005	SEOA5452	4061	SEOA5519a	4117	SEOA5581a	4173	SEOA5657a
3950	SEOA5382	4006	SEOA5453	4062	SEOA5520a	4118	SEOA5582a	4174	SEOA5658a
3951	SEOA5383	4007	SEOA5454	4063	SEOA5521a	4119	SEOA5583a	4175	SEOA5659a
3952	SEOA5384	4008	SEOA5455	4064	SEOA5522a	4120	SEOA5584a	4176	SEOA5660a
3953	SEOA5385	4009	SEOA5456	4065	SEOA5523a	4121	SEOA5585a	4177	SEOA5662a
3954	SEOA5386	4010	SEOA5458	4066	SEOA5524a	4122	SEOA5586a	4178	SEOA5663a
3955	SEOA5387	4011	SEOA5460	4067	SEOA5525a	4123	SEOA5587a	4179	seo5664a
3956	SEOA5388	4012	SEOA5461	4068	SEOA5526a	4124	seo5588a	4180	SEOA5665a
3957	SEOA5389	4013	SEOA5462	4069	SEOA5527a	4125	SEOA5589a	4181	SEOA5666a
3958	SEOA5390	4014	SEOA5463a	4070	SEOA5528a	4126	SEOA5590a	4182	SEOA5667a
3959	SEOA5391	4015	SEOA5464a	4071	SEOA5529a	4127	SEOA5591a	4183	SEOA5668a
3960	SEOA5392	4016	SEOA5465a	4072	SEOA5530a	4128	SEOA5592a	4184	SEOA5669a
3961	SEOA5393	4017	SEOA5466a	4073	SEOA5531a	4129	SEOA5595a	4185	SEOA5670a
3962	SEOA5394	4018	SEOA5468a	4074	SEOA5532a	4130	SEOA5596a	4186	SEOA5671a
3963	seo5395n	4019	SEOA5469a	4075	SEOA5533a	4131	SEOA5597a	4187	SEOA5673a
3964	SEOA5396	4020	SEOA5470a	4076	SEOA5534a	4132	SEOA5600a	4188	SEOA5674a
3965	SEOA5397	4021	SEOA5471a	4077	SEOA5535a	4133	SEOA5601a	4189	SEOA5675a
3966	SEOA5398	4022	SEOA5472a	4078	SEOA5536a	4134	seo5603an	4190	SEOA5676a
3967	SEOA5399	4023	SEOA5473a	4079	SEOA5537a	4135	SEOA5604a	4191	SEOA5677a
3968	SEOA5401	4024	SEOA5474a	4080	SEOA5538a	4136	SEOA5605a	4192	seo5678a
3969	SEOA5403	4025	seo5475a	4081	SEOA5539a	4137	SEOA5606a	4193	SEOA5679a
3970	SEOA5404	4026	SEOA5476a	4082	SEOA5540a	4138	SEOA5608a	4194	SEOA5680a
3971	SEOA5405	4027	SEOA5477a	4083	SEOA5541a	4139	SEOA5612a	4195	seo5681a
3972	SEOA5407	4028	SEOA5478a	4084	seo5543an	4140	SEOA5613a	4196	SEOA5682a
3973	SEOA5408	4029	SEOA5479a	4085	SEOA5544a	4141	SEOA5614a	4197	SEOA5683a
3974	SEOA5409	4030	SEOA5481a	4086	SEOA5545a	4142	SEOA5615a	4198	SEOA5684a
3975	SEOA5410	4031	SEOA5483a	4087	SEOA5546a	4143	SEOA5616a	4199	SEOA5685a
3976	SEOA5411	4032	SEOA5485a	4088	SEOA5547a	4144	SEOA5617a	4200	SEOA5687a

Figure 6E – Continued

4201	SEOA5689a	4257	seo5764n	4313	SEOA5827	4369	SEOA5900	4425	SEOA5978a
4202	SEOA5691a	4258	SEOA5765	4314	SEOA5828	4370	SEOA5901	4426	SEOA5979a
4203	SEOA5694a	4259	SEOA5766	4315	SEOA5829	4371	SEOA5902	4427	SEOA5981a
4204	SEOA5697a	4260	SEOA5767	4316	SEOA5830	4372	SEOA5903	4428	SEOA5982a
4205	SEOA5698a	4261	SEOA5769	4317	SEOA5831	4373	SEOA5904	4429	SEOA5983a
4206	SEOA5699a	4262	SEOA5770	4318	SEOA5832	4374	SEOA5906	4430	SEOA5985a
4207	SEOA5700a	4263	seo5771	4319	SEOA5833	4375	SEOA5909	4431	SEOA5986a
4208	SEOA5702a	4264	SEOA5772	4320	SEOA5834	4376	SEOA5911	4432	SEOA5987a
4209	SEOA5703a	4265	SEOA5773	4321	SEOA5835	4377	SEOA5912	4433	SEOA5988a
4210	SEOA5704a	4266	SEOA5774	4322	SEOA5836	4378	SEOA5915	4434	SEOA5989a
4211	SEOA5705a	4267	SEOA5775	4323	SEOA5837	4379	SEOA5916	4435	SEOA5990a
4212	SEOA5710a	4268	seo5777	4324	SEOA5838	4380	SEOA5917	4436	SEOA5991a
4213	SEOA5711a	4269	SEOA5778	4325	seo5839	4381	SEOA5918	4437	SEOA5992a
4214	SEOA5712a	4270	SEOA5779	4326	SEOA5840	4382	SEOA5919	4438	SEOA5994a
4215	SEOA5713a	4271	SEOA5780	4327	SEOA5841	4383	SEOA5920	4439	SEOA5997a
4216	SEOA5714a	4272	SEOA5781	4328	SEOA5842	4384	SEOA5924	4440	SEOA5998a
4217	SEOA5717a	4273	SEOA5782	4329	SEOA5843	4385	SEOA5926	4441	SEOA5999a
4218	SEOA5718a	4274	SEOA5783	4330	SEOA5844	4386	seo5927	4442	SEOA6000a
4219	SEOA5720a	4275	SEOA5784	4331	SEOA5845	4387	SEOA5928	4443	SEOA6001a
4220	SEOA5721a	4276	SEOA5785	4332	SEOA5846	4388	SEOA5929	4444	SEOA6002a
4221	SEOA5722a	4277	SEOA5786	4333	SEOA5848	4389	SEOA5930	4445	SEOA6003a
4222	SEOA5723a	4278	SEOA5787	4334	SEOA5849	4390	SEOA5932	4446	SEOA6005a
4223	SEOA5724a	4279	SEOA5788	4335	SEOA5850	4391	SEOA5933	4447	SEOA6006a
4224	SEOA5726a	4280	SEOA5789	4336	SEOA5851	4392	seo5935	4448	SEOA6007a
4225	SEOA5727a	4281	SEOA5790	4337	SEOA5854	4393	SEOA5937	4449	SEOA6008a
4226	SEOA5728a	4282	SEOA5791	4338	SEOA5855	4394	SEOA5938	4450	SEOA6009a
4227	SEOA5729a	4283	SEOA5792	4339	seo5857n	4395	SEOA5939	4451	SEOA6010a
4228	SEOA5730a	4284	SEOA5793	4340	SEOA5858	4396	SEOA5940	4452	SEOA6012a
4229	SEOA5731a	4285	seo5794	4341	seo5859	4397	SEOA5942	4453	SEOA6013a
4230	SEOA5732a	4286	SEOA5795	4342	SEOA5862	4398	SEOA5943	4454	SEOA6015a
4231	SEOA5733a	4287	SEOA5798	4343	SEOA5863	4399	SEOA5944	4455	SEOA6018a
4232	SEOA5734a	4288	SEOA5799	4344	SEOA5864	4400	SEOA5945	4456	SEOA6019a
4233	SEOA5735a	4289	SEOA5800	4345	SEOA5865	4401	SEOA5946	4457	SEOA6020a
4234	SEOA5736a	4290	SEOA5801	4346	seo5866	4402	SEOA5947	4458	SEOA6021a
4235	SEOA5737a	4291	seo5805n	4347	SEOA5868	4403	SEOA5948	4459	SEOA6022a
4236	SEOA5741a	4292	SEOA5806	4348	SEOA5869	4404	SEOA5950	4460	SEOA6023a
4237	SEOA5742a	4293	SEOA5807	4349	seo5870	4405	SEOA5953	4461	SEOA6024a
4238	SEOA5743a	4294	SEOA5808	4350	SEOA5871	4406	SEOA5955	4462	SEOA6025a
4239	SEOA5744a	4295	SEOA5809	4351	SEOA5873	4407	SEOA5957	4463	SEOA6026a
4240	SEOA5745a	4296	SEOA5810	4352	SEOA5874	4408	SEOA5958	4464	SEOA6027a
4241	SEOA5746a	4297	SEOA5811	4353	SEOA5876	4409	SEOA5959	4465	SEOA6028a
4242	SEOA5747a	4298	SEOA5812	4354	SEOA5877	4410	SEOA5960	4466	SEOA6029a
4243	SEOA5748a	4299	SEOA5813	4355	SEOA5878	4411	SEOA5961	4467	SEOA6030a
4244	SEOA5749a	4300	SEOA5814	4356	SEOA5879	4412	SEOA5962	4468	SEOA6031a
4245	seo5750a	4301	SEOA5815	4357	SEOA5881	4413	SEOA5963	4469	SEOA6032a
4246	SEOA5752a	4302	SEOA5816	4358	SEOA5882	4414	SEOA5964	4470	SEOA6033a
4247	SEOA5753a	4303	SEOA5817	4359	SEOA5883	4415	SEOA5966	4471	SEOA6034a
4248	SEOA5754a	4304	SEOA5818	4360	SEOA5885	4416	SEOA5967a	4472	seo6035an
4249	SEOA5755a	4305	SEOA5819	4361	SEOA5887	4417	SEOA5969a	4473	SEOA6036a
4250	SEOA5756a	4306	SEOA5820	4362	SEOA5889	4418	SEOA5970a	4474	SEOA6037a
4251	seo5757an	4307	SEOA5821	4363	SEOA5890	4419	SEOA5971a	4475	SEOA6038a
4252	SEOA5759	4308	SEOA5822	4364	SEOA5893	4420	SEOA5972a	4476	SEOA6039a
4253	SEOA5760	4309	SEOA5823	4365	SEOA5894	4421	SEOA5973a	4477	SEOA6040a
4254	SEOA5761	4310	SEOA5824	4366	SEOA5896	4422	SEOA5974a	4478	SEOA6041a
4255	SEOA5762	4311	SEOA5825	4367	SEOA5898	4423	SEOA5976a	4479	SEOA6042a
4256	SEOA5763	4312	SEOA5826	4368	SEOA5899	4424	SEOA5977a	4480	SEOA6043a

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4481	SEOA6046a	4537	SEOA6116a	4593	SEOA6183a	4649	SEOA6257	4705	SEOA6334
4482	SEOA6048a	4538	SEOA6117a	4594	SEOA6184a	4650	SEOA6258	4706	SEOA6335
4483	SEOA6049a	4539	SEOA6118a	4595	SEOA6186a	4651	SEOA6260	4707	SEOA6336
4484	SEOA6050a	4540	SEOA6119a	4596	SEOA6189a	4652	SEOA6261	4708	seo6337
4485	SEOA6051a	4541	SEOA6122a	4597	SEOA6190a	4653	seo6262n	4709	SEOA6340
4486	SEOA6052a	4542	SEOA6123a	4598	SEOA6191a	4654	SEOA6263	4710	SEOA6342
4487	SEOA6053a	4543	SEOA6124a	4599	SEOA6192a	4655	SEOA6265	4711	SEOA6344
4488	SEOA6054a	4544	SEOA6127a	4600	SEOA6193a	4656	SEOA6267	4712	SEOA6345
4489	SEOA6056a	4545	SEOA6128a	4601	SEOA6194a	4657	SEOA6268	4713	SEOA6346
4490	SEOA6057a	4546	SEOA6129a	4602	SEOA6195a	4658	seo6270n	4714	SEOA6347
4491	seo6058a	4547	SEOA6130a	4603	SEOA6196a	4659	seo6271	4715	SEOA6348
4492	SEOA6060a	4548	SEOA6131a	4604	SEOA6197a	4660	SEOA6272	4716	SEOA6351
4493	SEOA6061a	4549	SEOA6132a	4605	SEOA6198a	4661	SEOA6273	4717	SEOA6354
4494	SEOA6062a	4550	SEOA6133a	4606	SEOA6199a	4662	SEOA6274	4718	SEOA6355
4495	SEOA6063a	4551	SEOA6134a	4607	SEOA6200a	4663	SEOA6276	4719	SEOA6356
4496	SEOA6064a	4552	SEOA6135a	4608	SEOA6201a	4664	seo6277	4720	SEOA6357
4497	SEOA6066a	4553	seo6136a	4609	SEOA6202a	4665	SEOA6278	4721	SEOA6358
4498	SEOA6067a	4554	SEOA6137a	4610	SEOA6203a	4666	SEOA6279	4722	SEOA6359
4499	SEOA6068a	4555	SEOA6138a	4611	SEOA6204a	4667	SEOA6280	4723	SEOA6360
4500	SEOA6069a	4556	SEOA6139a	4612	SEOA6205a	4668	SEOA6281	4724	SEOA6363
4501	SEOA6070a	4557	SEOA6140a	4613	SEOA6209a	4669	SEOA6282	4725	SEOA6364
4502	SEOA6071a	4558	SEOA6143a	4614	SEOA6210a	4670	SEOA6283	4726	SEOA6365
4503	SEOA6073a	4559	SEOA6144a	4615	SEOA6212a	4671	SEOA6284	4727	SEOA6367
4504	SEOA6075a	4560	SEOA6145a	4616	SEOA6213a	4672	SEOA6286	4728	SEOA6368
4505	SEOA6076a	4561	SEOA6146a	4617	SEOA6214a	4673	SEOA6287	4729	SEOA6370
4506	SEOA6078a	4562	SEOA6148a	4618	SEOA6216a	4674	SEOA6289	4730	SEOA6371
4507	SEOA6079a	4563	SEOA6150a	4619	SEOA6217a	4675	SEOA6290	4731	SEOA6372
4508	SEOA6080a	4564	SEOA6151	4620	SEOA6218a	4676	SEOA6291	4732	SEOA6373
4509	SEOA6082a	4565	SEOA6151a	4621	SEOA6219a	4677	SEOA6292	4733	SEOA6374
4510	SEOA6083a	4566	SEOA6152a	4622	SEOA6220	4678	SEOA6293	4734	SEOA6375
4511	SEOA6084a	4567	SEOA6153a	4623	SEOA6221	4679	SEOA6295	4735	SEOA6376
4512	SEOA6085a	4568	SEOA6155a	4624	SEOA6222	4680	seo6296n	4736	SEOA6377
4513	SEOA6086a	4569	SEOA6156a	4625	SEOA6223	4681	SEOA6297	4737	SEOA6379
4514	SEOA6087a	4570	SEOA6157a	4626	SEOA6226	4682	SEOA6298	4738	SEOA6380
4515	SEOA6088a	4571	SEOA6158a	4627	SEOA6228	4683	SEOA6299	4739	SEOA6381
4516	SEOA6089a	4572	SEOA6159a	4628	seo6229	4684	SEOA6300	4740	SEOA6385
4517	SEOA6090a	4573	SEOA6160a	4629	SEOA6230	4685	SEOA6304	4741	SEOA6386
4518	SEOA6091a	4574	SEOA6161a	4630	SEOA6231	4686	SEOA6307	4742	SEOA6387
4519	SEOA6093a	4575	SEOA6162a	4631	SEOA6233	4687	SEOA6308	4743	SEOA6388
4520	SEOA6094a	4576	seo6163an	4632	SEOA6234	4688	SEOA6310	4744	SEOA6389
4521	SEOA6095a	4577	SEOA6164a	4633	SEOA6235	4689	SEOA6311	4745	SEOA6390
4522	SEOA6097a	4578	SEOA6165a	4634	SEOA6236	4690	SEOA6313	4746	SEOA6391
4523	SEOA6099a	4579	SEOA6166a	4635	SEOA6238	4691	SEOA6314	4747	SEOA6392
4524	SEOA6100a	4580	SEOA6167a	4636	SEOA6239	4692	SEOA6315	4748	SEOA6393
4525	SEOA6101a	4581	SEOA6168a	4637	SEOA6240	4693	SEOA6316	4749	SEOA6394
4526	SEOA6102a	4582	SEOA6169a	4638	SEOA6241	4694	SEOA6317	4750	SEOA6395
4527	SEOA6103a	4583	SEOA6170a	4639	SEOA6243	4695	SEOA6321	4751	SEOA6397
4528	SEOA6104a	4584	SEOA6171a	4640	SEOA6244	4696	SEOA6322	4752	SEOA6398
4529	SEOA6106a	4585	SEOA6172a	4641	seo6246n	4697	SEOA6323	4753	SEOA6399
4530	SEOA6107a	4586	SEOA6173a	4642	SEOA6248	4698	SEOA6325	4754	SEOA6400
4531	SEOA6108a	4587	SEOA6174a	4643	SEOA6249	4699	SEOA6326	4755	SEOA6401
4532	SEOA6109a	4588	SEOA6175a	4644	SEOA6250	4700	SEOA6329	4756	SEOA6402
4533	SEOA6111a	4589	SEOA6176a	4645	SEOA6252	4701	SEOA6330	4757	SEOA6403
4534	SEOA6113a	4590	seo6177a	4646	seo6253	4702	SEOA6331	4758	seo6404
4535	seo6114an	4591	SEOA6178a	4647	SEOA6254	4703	SEOA6332	4759	SEOA6405
4536	SEOA6115a	4592	seo6181a	4648	seo6255n	4704	SEOA6333	4760	SEOA6407

Figure 6E - Continued

4761	SEOA6408	4817	SEOA6480a	4873	SEOA6548a	4929	SEOA6622a	4985	SEOA6689a
4762	SEOA6409	4818	SEOA6481a	4874	SEOA6549a	4930	SEOA6623a	4986	SEOA6693a
4763	SEOA6412	4819	SEOA6482a	4875	SEOA6550a	4931	SEOA6624a	4987	SEOA6694a
4764	SEOA6413	4820	SEOA6484a	4876	SEOA6551a	4932	SEOA6625a	4988	SEOA6695a
4765	SEOA6414	4821	SEOA6485a	4877	SEOA6552a	4933	SEOA6626a	4989	SEOA6696a
4766	SEOA6415	4822	SEOA6486a	4878	SEOA6553a	4934	SEOA6627a	4990	SEOA6697a
4767	SEOA6416	4823	SEOA6487a	4879	SEOA6554a	4935	SEOA6629a	4991	SEOA6698a
4768	SEOA6418	4824	SEOA6488a	4880	SEOA6555a	4936	seoa6630a	4992	SEOA6699a
4769	seoa6419n	4825	SEOA6490a	4881	SEOA6556a	4937	SEOA6631a	4993	SEOA6700a
4770	SEOA6420	4826	SEOA6491a	4882	SEOA6557a	4938	seoa6632an	4994	SEOA6701a
4771	seoa6421n	4827	SEOA6492a	4883	SEOA6559a	4939	SEOA6633a	4995	SEOA6702a
4772	SEOA6422	4828	seoa6493an	4884	SEOA6560a	4940	SEOA6634a	4996	SEOA6704a
4773	SEOA6423	4829	SEOA6494a	4885	SEOA6561a	4941	SEOA6635a	4997	SEOA6705a
4774	SEOA6426	4830	SEOA6495a	4886	seoa6563a	4942	SEOA6636a	4998	SEOA6706
4775	SEOA6428	4831	SEOA6496a	4887	SEOA6564a	4943	SEOA6637a	4999	SEOA6707
4776	SEOA6429	4832	SEOA6497a	4888	SEOA6565a	4944	SEOA6638a	5000	SEOA6710
4777	seoa6430	4833	SEOA6498a	4889	SEOA6566a	4945	SEOA6639a	5001	SEOA6711
4778	SEOA6431	4834	SEOA6501a	4890	SEOA6567a	4946	SEOA6640a	5002	SEOA6713
4779	SEOA6432	4835	SEOA6503a	4891	SEOA6568a	4947	SEOA6641a	5003	SEOA6715
4780	SEOA6433	4836	SEOA6504a	4892	SEOA6569a	4948	SEOA6642a	5004	SEOA6716
4781	SEOA6434	4837	SEOA6505a	4893	SEOA6571a	4949	SEOA6643a	5005	SEOA6718
4782	SEOA6435	4838	SEOA6506a	4894	SEOA6572a	4950	SEOA6644a	5006	SEOA6719
4783	SEOA6437	4839	SEOA6507a	4895	SEOA6573a	4951	SEOA6645a	5007	SEOA6720
4784	SEOA6440	4840	SEOA6508a	4896	SEOA6574a	4952	SEOA6646a	5008	SEOA6721
4785	SEOA6442	4841	SEOA6510a	4897	SEOA6575a	4953	SEOA6647a	5009	SEOA6722
4786	SEOA6443	4842	SEOA6512a	4898	SEOA6576a	4954	SEOA6648a	5010	SEOA6723
4787	SEOA6444a	4843	seoa6514an	4899	SEOA6578a	4955	SEOA6649a	5011	SEOA6724
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4789	SEOA6446a	4845	SEOA6517a	4901	SEOA6580a	4957	seoa6651a	5013	SEOA6727
4790	SEOA6447a	4846	SEOA6518a	4902	SEOA6582a	4958	SEOA6652a	5014	SEOA6728
4791	SEOA6448a	4847	SEOA6519a	4903	SEOA6583a	4959	SEOA6653a	5015	SEOA6730
4792	SEOA6449a	4848	SEOA6520a	4904	SEOA6585a	4960	SEOA6654a	5016	SEOA6731
4793	SEOA6450a	4849	SEOA6521a	4905	SEOA6587a	4961	seoa6657an	5017	SEOA6732
4794	SEOA6451a	4850	SEOA6522a	4906	SEOA6590a	4962	SEOA6658a	5018	SEOA6733
4795	SEOA6452a	4851	SEOA6523a	4907	SEOA6591a	4963	SEOA6660a	5019	SEOA6734
4796	SEOA6453a	4852	SEOA6524a	4908	SEOA6594a	4964	SEOA6661a	5020	SEOA6735
4797	SEOA6454a	4853	SEOA6525a	4909	SEOA6595a	4965	seoa6664an	5021	SEOA6736
4798	SEOA6455a	4854	SEOA6526a	4910	SEOA6597a	4966	SEOA6666a	5022	SEOA6737
4799	SEOA6456a	4855	SEOA6527a	4911	SEOA6598a	4967	SEOA6667a	5023	SEOA6738
4800	SEOA6458a	4856	SEOA6528a	4912	SEOA6599a	4968	SEOA6668a	5024	SEOA6739
4801	SEOA6459a	4857	SEOA6529a	4913	SEOA6600a	4969	SEOA6670a	5025	SEOA6740
4802	SEOA6460a	4858	SEOA6530a	4914	SEOA6601a	4970	SEOA6671a	5026	SEOA6741
4803	SEOA6461a	4859	SEOA6531a	4915	SEOA6602a	4971	SEOA6672a	5027	SEOA6742
4804	SEOA6462a	4860	SEOA6532a	4916	SEOA6604a	4972	SEOA6673a	5028	SEOA6743
4805	SEOA6463a	4861	SEOA6533a	4917	SEOA6606a	4973	SEOA6674a	5029	SEOA6744
4806	SEOA6464a	4862	SEOA6535a	4918	SEOA6607a	4974	SEOA6675a	5030	seoa6745n
4807	SEOA6465a	4863	SEOA6536a	4919	SEOA6608a	4975	SEOA6676a	5031	SEOA6746
4808	SEOA6466a	4864	SEOA6537a	4920	SEOA6610a	4976	SEOA6677a	5032	SEOA6747
4809	SEOA6467a	4865	seoa6538a	4921	SEOA6611a	4977	SEOA6678a	5033	SEOA6748
4810	SEOA6468a	4866	SEOA6539a	4922	SEOA6612a	4978	SEOA6681a	5034	SEOA6749
4811	SEOA6470a	4867	SEOA6540a	4923	SEOA6613a	4979	SEOA6682a	5035	seoa6750
4812	SEOA6471a	4868	SEOA6541a	4924	SEOA6614a	4980	SEOA6683a	5036	SEOA6751
4813	SEOA6473a	4869	seoa6543an	4925	seoa6615an	4981	SEOA6685a	5037	SEOA6752
4814	SEOA6476a	4870	SEOA6545a	4926	SEOA6617a	4982	SEOA6686a	5038	SEOA6753
4815	SEOA6478a	4871	SEOA6546a	4927	SEOA6620a	4983	SEOA6687a	5039	SEOA6754
4816	SEOA6479a	4872	SEOA6547a	4928	SEOA6621a	4984	SEOA6688a	5040	seoa6755



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5041	seoa6756	5097	seoa6819	5153	SEOA6903	5209	seoa6971	5265	seoa7036
5042	seoa6757	5098	seoa6823	5154	SEOA6904	5210	seoa6972	5266	seoa7038
5043	seoa6758	5099	seoa6825	5155	SEOA6905	5211	seoa6974	5267	seoa7039
5044	seoa6759	5100	seoa6828	5156	SEOA6906	5212	seoa6975	5268	seoa7040
5045	seoa6760	5101	seoa6829	5157	SEOA6907	5213	seoa6976	5269	seoa7041
5046	seoa6761	5102	seoa6830	5158	SEOA6908	5214	seoa6977	5270	seoa7042
5047	seoa6762	5103	seoa6832	5159	SEOA6909	5215	seoa6978	5271	seoa7043
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5050	seoa6765	5106	seoa6836	5162	seoa6913n	5218	seoa6981	5274	seoa7046
5051	seoa6766	5107	seoa6837	5163	SEOA6914	5219	seoa6982	5275	seoa7047
5052	seoa6768	5108	seoa6838	5164	SEOA6915	5220	seoa6983	5276	seoa7049
5053	seoa6769	5109	seoa6839	5165	SEOA6917	5221	seoa6985	5277	seoa7051
5054	seoa6771	5110	seoa6841	5166	seoa6918	5222	seoa6986	5278	seoa7052
5055	seoa6772	5111	seoa6842	5167	SEOA6920	5223	seoa6987	5279	seoa7053
5056	seoa6773	5112	seoa6845	5168	SEOA6921	5224	seoa6988	5280	seoa7054
5057	seoa6774	5113	seoa6846	5169	SEOA6922	5225	seoa6989	5281	seoa7056
5058	seoa6775	5114	seoa6847	5170	SEOA6923	5226	seoa6990	5282	seoa7057
5059	seoa6776	5115	seoa6848	5171	SEOA6924	5227	seoa6991	5283	seoa7058
5060	seoa6778	5116	seoa6849	5172	SEOA6925	5228	seoa6992	5284	SEOA7060a
5061	seoa6779	5117	seoa6855	5173	SEOA6926	5229	seoa6993	5285	SEOA7061a
5062	seoa6780	5118	seoa6856	5174	SEOA6927	5230	seoa6994	5286	SEOA7062a
5063	seoa6781	5119	SEOA6860	5175	SEOA6928	5231	seoa6995	5287	SEOA7063a
5064	seoa6782	5120	SEOA6862	5176	SEOA6929	5232	seoa6996	5288	SEOA7064a
5065	seoa6783	5121	SEOA6863	5177	SEOA6930	5233	seoa6997	5289	SEOA7065a
5066	seoa6784	5122	SEOA6864	5178	SEOA6932	5234	seoa6998	5290	seoa7066an
5067	seoa6785	5123	SEOA6867	5179	seoa6933	5235	seoa7000	5291	SEOA7067a
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5069	seoa6787	5125	SEOA6869	5181	seoa6936	5237	seoa7002	5293	SEOA7069a
5070	seoa6788	5126	SEOA6871	5182	seoa6937	5238	seoa7003	5294	SEOA7070a
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5074	seoa6792	5130	SEOA6876	5186	seoa6941	5242	seoa7008	5298	SEOA7075a
5075	seoa6793	5131	SEOA6877	5187	seoa6942	5243	seoa7009	5299	SEOA7076a
5076	seoa6794	5132	SEOA6878	5188	seoa6943	5244	seoa7010	5300	SEOA7077a
5077	seoa6795	5133	SEOA6879	5189	seoa6944	5245	seoa7011	5301	SEOA7078a
5078	seoa6797	5134	SEOA6881	5190	seoa6945	5246	seoa7012	5302	SEOA7080a
5079	seoa6798	5135	seoa6883	5191	seoa6946	5247	seoa7013	5303	SEOA7081a
5080	seoa6800	5136	SEOA6884	5192	seoa6948	5248	seoa7014	5304	SEOA7082a
5081	seoa6801	5137	SEOA6885	5193	seoa6950	5249	seoa7015	5305	SEOA7083a
5082	seoa6802	5138	SEOA6886	5194	seoa6951	5250	seoa7017	5306	SEOA7085a
5083	seoa6803	5139	SEOA6887	5195	seoa6952	5251	seoa7018	5307	SEOA7086a
5084	seoa6804	5140	SEOA6888	5196	seoa6953	5252	seoa7019	5308	SEOA7087a
5085	seoa6805	5141	SEOA6889	5197	seoa6955	5253	seoa7020	5309	SEOA7089a
5086	seoa6806	5142	SEOA6891	5198	seoa6956	5254	seoa7021	5310	SEOA7090a
5087	seoa6807	5143	SEOA6892	5199	seoa6957	5255	seoa7022	5311	SEOA7091a
5088	seoa6809	5144	SEOA6893	5200	seoa6958	5256	seoa7024	5312	SEOA7092a
5089	seoa6810	5145	SEOA6894	5201	seoa6959	5257	seoa7026	5313	SEOA7093a
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5091	seoa6812	5147	SEOA6896	5203	seoa6962	5259	seoa7028	5315	SEOA7095a
5092	seoa6813	5148	seoa6897n	5204	seoa6963	5260	seoa7029	5316	SEOA7097a
5093	seoa6814	5149	SEOA6898	5205	seoa6965	5261	seoa7030	5317	SEOA7098a
5094	seoa6815	5150	SEOA6899	5206	seoa6966	5262	seoa7032	5318	SEOA7099a
5095	seoa6816	5151	SEOA6901	5207	seoa6968	5263	seoa7033	5319	SEOA7105a
5096	seoa6818	5152	SEOA6902	5208	seoa6969	5264	seoa7034	5320	SEOA7109a

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5322	SEOA7111a	5378	SEOA7186a	5434	SEOA7259a	5490	SEOA7326a	5546	SEOA7397a
5323	SEOA7112a	5379	SEOA7187a	5435	SEOA7260a	5491	SEOA7327a	5547	SEOA7398a
5324	SEOA7113a	5380	SEOA7188a	5436	SEOA7261a	5492	SEOA7328a	5548	SEOA7399a
5325	SEOA7114a	5381	seo7190an	5437	seo7263an	5493	SEOA7329a	5549	SEOA7400a
5326	SEOA7115a	5382	SEOA7192a	5438	SEOA7264a	5494	SEOA7330a	5550	SEOA7401a
5327	SEOA7116a	5383	SEOA7194a	5439	SEOA7265a	5495	SEOA7331a	5551	SEOA7403a
5328	SEOA7117a	5384	SEOA7195a	5440	SEOA7266a	5496	SEOA7332a	5552	SEOA7404a
5329	SEOA7119a	5385	seo7196an	5441	SEOA7267a	5497	SEOA7333a	5553	SEOA7405a
5330	SEOA7120a	5386	seo7197an	5442	SEOA7268a	5498	SEOA7334a	5554	SEOA7406a
5331	SEOA7122a	5387	SEOA7198a	5443	SEOA7270a	5499	SEOA7335a	5555	SEOA7408a
5332	SEOA7123a	5388	SEOA7199a	5444	SEOA7271a	5500	SEOA7336a	5556	SEOA7409a
5333	SEOA7124a	5389	SEOA7200a	5445	SEOA7272a	5501	SEOA7337a	5557	seo7411an
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5335	SEOA7126a	5391	SEOA7203a	5447	SEOA7275a	5503	SEOA7339a	5559	SEOA7415a
5336	SEOA7127a	5392	SEOA7204a	5448	SEOA7276a	5504	SEOA7340a	5560	SEOA7416a
5337	SEOA7128a	5393	SEOA7205a	5449	SEOA7277a	5505	SEOA7341a	5561	SEOA7417a
5338	SEOA7129a	5394	SEOA7206a	5450	SEOA7278a	5506	SEOA7342a	5562	SEOA7418a
5339	SEOA7132a	5395	SEOA7210a	5451	SEOA7280a	5507	SEOA7343a	5563	SEOA7419a
5340	SEOA7133a	5396	SEOA7211a	5452	SEOA7281a	5508	SEOA7344a	5564	SEOA7420a
5341	SEOA7134a	5397	SEOA7212a	5453	SEOA7282a	5509	SEOA7345a	5565	SEOA7421a
5342	SEOA7135a	5398	seo7213an	5454	SEOA7283a	5510	SEOA7347a	5566	seo7422a
5343	SEOA7136a	5399	SEOA7214a	5455	SEOA7285a	5511	SEOA7348a	5567	SEOA7423a
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5348	SEOA7147a	5404	SEOA7219a	5460	SEOA7291a	5516	SEOA7360a	5572	SEOA7428a
5349	SEOA7149a	5405	SEOA7220a	5461	SEOA7292a	5517	SEOA7361a	5573	SEOA7429a
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5352	SEOA7153a	5408	SEOA7223a	5464	SEOA7295a	5520	SEOA7364a	5576	SEOA7432a
5353	SEOA7154a	5409	SEOA7224a	5465	SEOA7296a	5521	SEOA7365a	5577	seo7433an
5354	SEOA7155a	5410	SEOA7225a	5466	SEOA7298a	5522	SEOA7366a	5578	SEOA7434a
5355	SEOA7157a	5411	SEOA7226a	5467	SEOA7299a	5523	SEOA7367a	5579	SEOA7436a
5356	seo7159an	5412	SEOA7227a	5468	seo7300an	5524	SEOA7368a	5580	SEOA7438a
5357	SEOA7160a	5413	seo7228a	5469	SEOA7301a	5525	SEOA7369a	5581	SEOA7440a
5358	SEOA7161a	5414	SEOA7229a	5470	SEOA7302a	5526	SEOA7370a	5582	SEOA7441a
5359	SEOA7162a	5415	SEOA7231a	5471	SEOA7304a	5527	SEOA7371a	5583	SEOA7442a
5360	SEOA7165a	5416	SEOA7232a	5472	SEOA7306a	5528	SEOA7372a	5584	SEOA7443a
5361	SEOA7166a	5417	SEOA7233a	5473	SEOA7307a	5529	SEOA7373a	5585	seo7444an
5362	SEOA7167a	5418	SEOA7235a	5474	SEOA7308a	5530	SEOA7376a	5586	SEOA7446a
5363	SEOA7168a	5419	SEOA7237a	5475	SEOA7309a	5531	SEOA7378a	5587	SEOA7448a
5364	SEOA7169a	5420	SEOA7238a	5476	SEOA7310a	5532	SEOA7379a	5588	SEOA7449a
5365	SEOA7170a	5421	SEOA7239a	5477	SEOA7311a	5533	SEOA7380a	5589	SEOA7451a
5366	SEOA7171a	5422	SEOA7240a	5478	SEOA7313a	5534	SEOA7383a	5590	SEOA7453a
5367	SEOA7174a	5423	SEOA7241a	5479	seo7314a	5535	SEOA7384a	5591	SEOA7455a
5368	SEOA7175a	5424	SEOA7243a	5480	seo7315a	5536	SEOA7385a	5592	SEOA7456a
5369	SEOA7176a	5425	SEOA7244a	5481	SEOA7316a	5537	SEOA7386a	5593	SEOA7458a
5370	SEOA7177a	5426	SEOA7245a	5482	SEOA7317a	5538	SEOA7387a	5594	SEOA7459a
5371	SEOA7178a	5427	SEOA7248a	5483	seo7318a	5539	SEOA7389a	5595	SEOA7460a
5372	SEOA7179a	5428	SEOA7249a	5484	SEOA7319a	5540	SEOA7390a	5596	SEOA7461a
5373	SEOA7180a	5429	SEOA7250a	5485	SEOA7320a	5541	SEOA7391a	5597	SEOA7464a
5374	SEOA7181a	5430	SEOA7251a	5486	SEOA7322a	5542	SEOA7393a	5598	seo7466an
5375	SEOA7182a	5431	SEOA7254a	5487	SEOA7323a	5543	SEOA7394a	5599	SEOA7467a
5376	SEOA7183a	5432	SEOA7256a	5488	SEOA7324a	5544	SEOA7395a	5600	SEOA7468a

Figure 6E -- Continued

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5602	SEOA7471a	5658	SEOA7542a	5714	SEOA7610a	5770	seoa7677a	5826	seoa7745a
5603	SEOA7472a	5659	SEOA7543a	5715	SEOA7611a	5771	seoa7679a	5827	seoa7746a
5604	SEOA7474a	5660	seoa7544an	5716	SEOA7612a	5772	seoa7680a	5828	seoa7748a
5605	SEOA7476a	5661	SEOA7546a	5717	SEOA7613a	5773	seoa7681a	5829	seoa7749a
5606	SEOA7477a	5662	SEOA7547a	5718	SEOA7614a	5774	seoa7682a	5830	seoa7750a
5607	SEOA7478a	5663	SEOA7548a	5719	seoa7615an	5775	seoa7684a	5831	seoa7751a
5608	SEOA7479a	5664	seoa7549an	5720	SEOA7616a	5776	seoa7686a	5832	seoa7752a
5609	SEOA7481a	5665	SEOA7550a	5721	SEOA7617a	5777	seoa7687a	5833	seoa7753a
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5615	SEOA7488a	5671	SEOA7558a	5727	seoa7623an	5783	seoa7695a	5839	seoa7760a
5616	seoa7489an	5672	SEOA7560a	5728	SEOA7624a	5784	seoa7696a	5840	seoa7761a
5617	SEOA7491a	5673	SEOA7561a	5729	SEOA7626a	5785	seoa7697a	5841	seoa7762a
5618	SEOA7492a	5674	SEOA7562a	5730	SEOA7627a	5786	seoa7698a	5842	seoa7764a
5619	SEOA7493a	5675	SEOA7563a	5731	SEOA7628a	5787	seoa7699a	5843	seoa7765a
5620	SEOA7495a	5676	SEOA7564a	5732	SEOA7629a	5788	seoa7700a	5844	seoa7766a
5621	SEOA7496a	5677	seoa7565an	5733	SEOA7630a	5789	seoa7701a	5845	seoa7767a
5622	SEOA7497a	5678	SEOA7566a	5734	SEOA7633a	5790	seoa7702a	5846	seoa7769a
5623	SEOA7498a	5679	SEOA7568a	5735	SEOA7634a	5791	seoa7704a	5847	seoa7772a
5624	SEOA7500a	5680	SEOA7569a	5736	SEOA7635a	5792	seoa7705a	5848	seoa7773a
5625	SEOA7501a	5681	SEOA7570a	5737	SEOA7636a	5793	seoa7707a	5849	seoa7774a
5626	seoa7503an	5682	SEOA7571a	5738	SEOA7638a	5794	seoa7708a	5850	seoa7775a
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5628	SEOA7507a	5684	SEOA7574a	5740	SEOA7640a	5796	seoa7710a	5852	seoa7777a
5629	SEOA7508a	5685	SEOA7575a	5741	SEOA7641a	5797	seoa7711a	5853	seoa7778a
5630	SEOA7509a	5686	SEOA7577a	5742	SEOA7642a	5798	seoa7712a	5854	seoa7782a
5631	SEOA7511a	5687	SEOA7578a	5743	SEOA7643a	5799	seoa7713a	5855	seoa7786a
5632	SEOA7512a	5688	SEOA7579a	5744	SEOA7644a	5800	seoa7714a	5856	seoa7788a
5633	SEOA7514a	5689	SEOA7580a	5745	SEOA7645a	5801	seoa7715a	5857	seoa7790a
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5637	SEOA7519a	5693	SEOA7584a	5749	SEOA7649a	5805	seoa7719a	5861	seoa7796a
5638	SEOA7520a	5694	SEOA7585a	5750	SEOA7650a	5806	seoa7721a	5862	seoa7800a
5639	SEOA7521a	5695	SEOA7586a	5751	SEOA7651a	5807	seoa7722a	5863	seoa7801a
5640	SEOA7522a	5696	SEOA7587a	5752	SEOA7652a	5808	seoa7723a	5864	seoa7802a
5641	SEOA7523a	5697	SEOA7588a	5753	SEOA7653a	5809	seoa7725a	5865	seoa7803a
5642	SEOA7524a	5698	SEOA7589a	5754	SEOA7654a	5810	seoa7726a	5866	seoa7805a
5643	SEOA7525a	5699	SEOA7591a	5755	SEOA7655a	5811	seoa7727a	5867	seoa7806a
5644	SEOA7526a	5700	SEOA7592a	5756	SEOA7656a	5812	seoa7728a	5868	seoa7807a
5645	SEOA7527a	5701	SEOA7593a	5757	SEOA7657a	5813	seoa7729a	5869	seoa7808a
5646	SEOA7528a	5702	SEOA7595a	5758	SEOA7659a	5814	seoa7732a	5870	seoa7809a
5647	SEOA7529a	5703	SEOA7597a	5759	SEOA7662a	5815	seoa7733a	5871	seoa7811a
5648	SEOA7530a	5704	SEOA7598a	5760	SEOA7663a	5816	seoa7734a	5872	seoa7812a
5649	SEOA7531a	5705	SEOA7600a	5761	SEOA7664a	5817	seoa7735a	5873	seoa7813a
5650	SEOA7532a	5706	SEOA7601a	5762	SEOA7666a	5818	seoa7736a	5874	seoa7814a
5651	SEOA7534a	5707	SEOA7602a	5763	SEOA7668a	5819	seoa7738a	5875	seoa7815a
5652	SEOA7535a	5708	SEOA7603a	5764	SEOA7669a	5820	seoa7739a	5876	seoa7816a
5653	SEOA7536a	5709	SEOA7604a	5765	SEOA7670a	5821	seoa7740a	5877	seoa7817a
5654	SEOA7538a	5710	SEOA7605a	5766	SEOA7672a	5822	seoa7741a	5878	seoa7818a
5655	SEOA7539a	5711	SEOA7606a	5767	SEOA7674a	5823	seoa7742a	5879	seoa7819a
5656	SEOA7540a	5712	SEOA7607a	5768	SEOA7675a	5824	seoa7743a	5880	seoa7820a

Figure 6E - Continued

5881	seoa7822a	5937	SEOA7900a	5993	seoa7970	6049	seoa8038	6105	seoa8109
5882	seoa7824a	5938	SEOA7902a	5994	seoa7972	6050	seoa8039	6106	seoa8110
5883	seoa7825a	5939	SEOA7904a	5995	seoa7973	6051	seoa8040	6107	seoa8111
5884	seoa7827a	5940	SEOA7907a	5996	seoa7974	6052	seoa8041	6108	seoa8113
5885	seoa7828a	5941	SEOA7908a	5997	seoa7975	6053	seoa8043	6109	seoa8114
5886	seoa7829a	5942	SEOA7910a	5998	seoa7977	6054	seoa8045	6110	seoa8115
5887	seoa7830a	5943	SEOA7911a	5999	seoa7978	6055	seoa8046	6111	seoa8116
5888	seoa7831a	5944	SEOA7914a	6000	seoa7980	6056	seoa8047	6112	seoa8118
5889	seoa7832a	5945	SEOA7915a	6001	seoa7981	6057	seoa8048	6113	seoa8119
5890	seoa7833a	5946	SEOA7917a	6002	seoa7982	6058	seoa8049	6114	seoa8120
5891	seoa7834a	5947	SEOA7918a	6003	seoa7983	6059	seoa8050	6115	seoa8121
5892	seoa7835a	5948	seoa7919an	6004	seoa7984	6060	seoa8051	6116	seoa8122
5893	seoa7836a	5949	SEOA7920a	6005	seoa7985	6061	seoa8052	6117	seoa8124
5894	seoa7837a	5950	SEOA7921a	6006	seoa7986	6062	seoa8054	6118	seoa8126
5895	seoa7838a	5951	SEOA7923a	6007	seoa7988	6063	seoa8055	6119	seoa8127
5896	seoa7839a	5952	seoa7924an	6008	seoa7989	6064	seoa8058	6120	seoa8129
5897	seoa7840a	5953	SEOA7925a	6009	seoa7990	6065	seoa8059	6121	seoa8131
5898	seoa7842a	5954	SEOA7926a	6010	seoa7991	6066	seoa8060	6122	seoa8132
5899	seoa7844a	5955	SEOA7927a	6011	seoa7996	6067	seoa8063	6123	seoa8133
5900	seoa7845a	5956	SEOA7928a	6012	seoa7997	6068	seoa8064	6124	seoa8134
5901	seoa7846a	5957	SEOA7929a	6013	seoa7998	6069	seoa8065	6125	seoa8137
5902	seoa7847a	5958	SEOA7930a	6014	seoa7999	6070	seoa8066	6126	seoa8138
5903	seoa7848a	5959	SEOA7931a	6015	seoa8001	6071	seoa8067	6127	seoa8139
5904	seoa7850a	5960	SEOA7932a	6016	seoa8002	6072	seoa8070	6128	seoa8141
5905	seoa7851a	5961	SEOA7933a	6017	seoa8003	6073	seoa8071	6129	seoa8142
5906	seoa7853a	5962	SEOA7935a	6018	seoa8004	6074	seoa8072	6130	seoa8144
5907	seoa7854a	5963	SEOA7936a	6019	seoa8005	6075	seoa8073	6131	seoa8146
5908	seoa7855a	5964	SEOA7937a	6020	seoa8006	6076	seoa8074	6132	seoa8148
5909	seoa7856a	5965	SEOA7938a	6021	seoa8007	6077	seoa8075	6133	seoa8149
5910	seoa7859a	5966	SEOA7939a	6022	seoa8008	6078	seoa8077	6134	seoa8150
5911	seoa7860a	5967	SEOA7940a	6023	seoa8009	6079	seoa8078	6135	seoa8151
5912	seoa7861a	5968	SEOA7942a	6024	seoa8010	6080	seoa8080	6136	seoa8153
5913	seoa7862a	5969	SEOA7943a	6025	seoa8011	6081	seoa8082	6137	seoa8154
5914	seoa7863a	5970	seoa7945an	6026	seoa8012	6082	seoa8083	6138	seoa8156
5915	seoa7867a	5971	SEOA7946a	6027	seoa8014	6083	seoa8084	6139	seoa8158
5916	seoa7868a	5972	SEOA7947a	6028	seoa8015	6084	seoa8086	6140	seoa8159
5917	seoa7869a	5973	SEOA7948a	6029	seoa8016	6085	seoa8087	6141	seoa8160
5918	seoa7870a	5974	SEOA7949a	6030	seoa8017	6086	seoa8088	6142	seoa8161
5919	seoa7871a	5975	SEOA7950a	6031	seoa8018	6087	seoa8089	6143	seoa8164
5920	seoa7872a	5976	SEOA7951a	6032	seoa8019	6088	seoa8090	6144	SEOA8165a
5921	seoa7876a	5977	SEOA7952a	6033	seoa8020	6089	seoa8091	6145	SEOA8166a
5922	seoa7877a	5978	SEOA7953a	6034	seoa8021	6090	seoa8092	6146	SEOA8167a
5923	seoa7878a	5979	seoa7955	6035	seoa8023	6091	seoa8093	6147	SEOA8171a
5924	seoa7879a	5980	seoa7956	6036	seoa8024	6092	seoa8094	6148	SEOA8172a
5925	seoa7880a	5981	seoa7957	6037	seoa8025	6093	seoa8095	6149	seoa8173an
5926	seoa7883a	5982	seoa7958	6038	seoa8026	6094	seoa8096	6150	SEOA8174a
5927	seoa7885a	5983	seoa7959	6039	seoa8027	6095	seoa8097	6151	SEOA8175a
5928	seoa7886a	5984	seoa7960	6040	seoa8028	6096	seoa8098	6152	SEOA8176a
5929	seoa7887a	5985	seoa7961	6041	seoa8029	6097	seoa8099	6153	SEOA8177a
5930	seoa7890a	5986	seoa7962	6042	seoa8030	6098	seoa8101	6154	SEOA8179a
5931	SEOA7892a	5987	seoa7963	6043	seoa8031	6099	seoa8102	6155	SEOA8181a
5932	SEOA7893a	5988	seoa7965	6044	seoa8032	6100	seoa8104	6156	SEOA8184a
5933	SEOA7894a	5989	seoa7966	6045	seoa8033	6101	seoa8105	6157	SEOA8186a
5934	SEOA7895a	5990	seoa7967	6046	seoa8035	6102	seoa8106	6158	seoa8187a
5935	SEOA7897a	5991	seoa7968	6047	seoa8036	6103	seoa8107	6159	SEOA8188a
5936	SEOA7899a	5992	seoa7969	6048	seoa8037	6104	seoa8108	6160	SEOA8189a

Figure 6E - Continued

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6162	SEOA8191a	6218	SEOA8260	6274	SEOA8331a	6330	SEOA8401a	6386	SEOA8477
6163	SEOA8192a	6219	SEOA8262	6275	seo8334an	6331	SEOA8402a	6387	SEOA8478
6164	SEOA8193a	6220	SEOA8263	6276	SEOA8335a	6332	SEOA8403a	6388	SEOA8479
6165	SEOA8194a	6221	SEOA8264	6277	SEOA8336a	6333	SEOA8406a	6389	SEOA8480
6166	SEOA8195a	6222	SEOA8265	6278	SEOA8340a	6334	SEOA8407a	6390	SEOA8481
6167	SEOA8197a	6223	SEOA8266	6279	SEOA8341a	6335	SEOA8417	6391	SEOA8482
6168	SEOA8199a	6224	SEOA8267	6280	SEOA8342a	6336	SEOA8418	6392	SEOA8483
6169	SEOA8200a	6225	SEOA8268	6281	SEOA8343a	6337	SEOA8419	6393	SEOA8484
6170	SEOA8201a	6226	SEOA8269	6282	SEOA8344a	6338	SEOA8420	6394	SEOA8486
6171	SEOA8202a	6227	SEOA8270	6283	SEOA8347a	6339	SEOA8421	6395	SEOA8487
6172	SEOA8203a	6228	SEOA8271	6284	SEOA8348a	6340	SEOA8422	6396	SEOA8488
6173	SEOA8204	6229	SEOA8272	6285	SEOA8350a	6341	SEOA8423	6397	SEOA8489
6174	SEOA8206	6230	SEOA8273	6286	SEOA8351a	6342	SEOA8424	6398	SEOA8491
6175	SEOA8207	6231	SEOA8274	6287	SEOA8352a	6343	SEOA8425	6399	SEOA8492
6176	SEOA8208	6232	SEOA8275	6288	SEOA8354a	6344	SEOA8426	6400	SEOA8493
6177	SEOA8209	6233	SEOA8276	6289	SEOA8355a	6345	SEOA8428	6401	SEOA8498
6178	SEOA8211	6234	SEOA8277	6290	SEOA8356a	6346	SEOA8429	6402	SEOA8499
6179	SEOA8212	6235	SEOA8278	6291	seo8357an	6347	SEOA8430	6403	SEOA8501
6180	SEOA8213	6236	seo8279n	6292	SEOA8358a	6348	SEOA8432	6404	SEOA8502
6181	SEOA8214	6237	seo8280n	6293	seo8359an	6349	SEOA8433	6405	SEOA8504
6182	SEOA8215	6238	seo8281	6294	SEOA8360a	6350	SEOA8434	6406	SEOA8505
6183	SEOA8217	6239	SEOA8283	6295	SEOA8361a	6351	SEOA8436	6407	SEOA8506
6184	SEOA8220	6240	seo8284n	6296	SEOA8363a	6352	SEOA8437	6408	SEOA8507
6185	SEOA8221	6241	SEOA8285	6297	SEOA8364a	6353	SEOA8438	6409	SEOA8508
6186	SEOA8222	6242	SEOA8286	6298	SEOA8365a	6354	SEOA8439	6410	SEOA8509
6187	SEOA8223	6243	SEOA8288	6299	SEOA8366a	6355	SEOA8440	6411	SEOA8510
6188	SEOA8226	6244	SEOA8289	6300	SEOA8367a	6356	SEOA8441	6412	SEOA8511
6189	SEOA8227	6245	SEOA8290	6301	SEOA8368a	6357	SEOA8442	6413	SEOA8512
6190	SEOA8229	6246	SEOA8291	6302	SEOA8369a	6358	SEOA8443	6414	SEOA8514
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6192	SEOA8231	6248	SEOA8296	6304	SEOA8371a	6360	SEOA8445	6416	SEOA8516
6193	SEOA8232	6249	SEOA8298	6305	SEOA8372a	6361	SEOA8446	6417	SEOA8517
6194	SEOA8233	6250	SEOA8299	6306	SEOA8374a	6362	SEOA8447	6418	SEOA8518
6195	SEOA8234	6251	SEOA8300	6307	SEOA8376a	6363	SEOA8449	6419	SEOA8519
6196	SEOA8236	6252	SEOA8301	6308	seo8377an	6364	SEOA8451	6420	SEOA8520
6197	SEOA8237	6253	SEOA8304	6309	SEOA8378a	6365	SEOA8452	6421	SEOA8521
6198	SEOA8238	6254	SEOA8306a	6310	SEOA8379a	6366	SEOA8453	6422	SEOA8522
6199	SEOA8239	6255	SEOA8307a	6311	SEOA8380a	6367	SEOA8454	6423	SEOA8523
6200	SEOA8240	6256	SEOA8308a	6312	SEOA8381a	6368	SEOA8455	6424	SEOA8524
6201	SEOA8241	6257	SEOA8309a	6313	SEOA8382a	6369	SEOA8456	6425	SEOA8525
6202	SEOA8242	6258	SEOA8310a	6314	SEOA8383a	6370	SEOA8457	6426	SEOA8526
6203	SEOA8243	6259	SEOA8311a	6315	SEOA8384a	6371	SEOA8458	6427	seo8527n
6204	SEOA8244	6260	SEOA8312a	6316	SEOA8386a	6372	SEOA8459	6428	SEOA8528
6205	SEOA8245	6261	SEOA8313a	6317	SEOA8387a	6373	SEOA8460	6429	SEOA8529
6206	SEOA8246	6262	SEOA8315a	6318	SEOA8388a	6374	SEOA8461	6430	SEOA8530
6207	SEOA8248	6263	SEOA8316a	6319	SEOA8389a	6375	SEOA8462	6431	SEOA8531
6208	SEOA8250	6264	SEOA8317a	6320	SEOA8390a	6376	SEOA8463	6432	SEOA8532
6209	SEOA8251	6265	SEOA8318a	6321	SEOA8391a	6377	SEOA8464	6433	SEOA8533
6210	SEOA8252	6266	SEOA8321a	6322	SEOA8392a	6378	SEOA8466	6434	SEOA8534
6211	SEOA8253	6267	SEOA8322a	6323	seo8393an	6379	SEOA8467	6435	SEOA8535
6212	SEOA8254	6268	SEOA8323a	6324	SEOA8394a	6380	SEOA8468	6436	SEOA8537
6213	SEOA8255	6269	SEOA8324a	6325	SEOA8395a	6381	SEOA8469	6437	SEOA8538
6214	SEOA8256	6270	SEOA8325a	6326	SEOA8396a	6382	SEOA8471	6438	SEOA8539
6215	SEOA8257	6271	SEOA8326a	6327	SEOA8397a	6383	SEOA8472	6439	SEOA8540
6216	SEOA8258	6272	SEOA8327a	6328	SEOA8398a	6384	SEOA8474	6440	SEOA8541

Figure 6E – Continued

6441	SEOA8542	6497	SEOA8604	6553	SEOA8670	6609	SEOA8739	6665	SEOA8801
6442	SEOA8543	6498	SEOA8605	6554	SEOA8671	6610	SEOA8740	6666	SEOA8802
6443	SEOA8544	6499	SEOA8606	6555	SEOA8672	6611	SEOA8741	6667	SEOA8803
6444	SEOA8546	6500	SEOA8608	6556	SEOA8673	6612	SEOA8742	6668	SEOA8804
6445	seoA8547n	6501	SEOA8609	6557	SEOA8674	6613	SEOA8743	6669	SEOA8805
6446	seoA8548n	6502	SEOA8610	6558	SEOA8675	6614	SEOA8744	6670	SEOA8806
6447	SEOA8549	6503	SEOA8611	6559	SEOA8676	6615	SEOA8745	6671	SEOA8808
6448	SEOA8550	6504	SEOA8612	6560	SEOA8677	6616	SEOA8746	6672	SEOA8809
6449	SEOA8551	6505	SEOA8613	6561	SEOA8678	6617	SEOA8747	6673	seoA8812n
6450	SEOA8552	6506	SEOA8614	6562	SEOA8679	6618	SEOA8748	6674	SEOA8813
6451	SEOA8553	6507	SEOA8615	6563	SEOA8680	6619	SEOA8749	6675	SEOA8814
6452	SEOA8554	6508	SEOA8616	6564	SEOA8681	6620	SEOA8750	6676	SEOA8816
6453	SEOA8555	6509	SEOA8617	6565	SEOA8682	6621	SEOA8751	6677	SEOA8817
6454	SEOA8556	6510	SEOA8618	6566	SEOA8683	6622	SEOA8752	6678	SEOA8818
6455	SEOA8557	6511	SEOA8619	6567	SEOA8684	6623	SEOA8753	6679	SEOA8819
6456	SEOA8558	6512	SEOA8620	6568	SEOA8685	6624	SEOA8754	6680	SEOA8820
6457	SEOA8559	6513	SEOA8621	6569	SEOA8686	6625	SEOA8756	6681	SEOA8821
6458	SEOA8560	6514	SEOA8622	6570	SEOA8687	6626	SEOA8757	6682	SEOA8822
6459	SEOA8562	6515	SEOA8623	6571	SEOA8690	6627	SEOA8758	6683	SEOA8823
6460	SEOA8563	6516	SEOA8624	6572	SEOA8691	6628	SEOA8759	6684	SEOA8824
6461	SEOA8564	6517	SEOA8625	6573	SEOA8692	6629	SEOA8760	6685	SEOA8825
6462	SEOA8565	6518	SEOA8626	6574	SEOA8693	6630	SEOA8761	6686	SEOA8826
6463	SEOA8566	6519	SEOA8627	6575	SEOA8694	6631	SEOA8762	6687	SEOA8827
6464	SEOA8567	6520	SEOA8628	6576	SEOA8696	6632	SEOA8764	6688	SEOA8828
6465	SEOA8568	6521	SEOA8630	6577	SEOA8698	6633	SEOA8765	6689	SEOA8830
6466	SEOA8569	6522	SEOA8631	6578	SEOA8699	6634	SEOA8766	6690	SEOA8831
6467	SEOA8570	6523	SEOA8632	6579	SEOA8700	6635	SEOA8767	6691	SEOA8832
6468	SEOA8571	6524	SEOA8633	6580	SEOA8701	6636	SEOA8768	6692	SEOA8833
6469	SEOA8572	6525	SEOA8634	6581	SEOA8702	6637	SEOA8770	6693	SEOA8834
6470	SEOA8573	6526	SEOA8635	6582	SEOA8703	6638	SEOA8771	6694	SEOA8835
6471	SEOA8575	6527	SEOA8636	6583	SEOA8704	6639	SEOA8772	6695	SEOA8836
6472	SEOA8576	6528	SEOA8637	6584	SEOA8705	6640	SEOA8773	6696	SEOA8837
6473	SEOA8577	6529	SEOA8638	6585	SEOA8706	6641	SEOA8774	6697	SEOA8838
6474	SEOA8578	6530	SEOA8640	6586	SEOA8707	6642	SEOA8776	6698	SEOA8839
6475	SEOA8579	6531	SEOA8642	6587	SEOA8708	6643	SEOA8777	6699	SEOA8840
6476	SEOA8580	6532	SEOA8643	6588	SEOA8709	6644	SEOA8779	6700	SEOA8841
6477	SEOA8581	6533	SEOA8644	6589	SEOA8710	6645	SEOA8780	6701	SEOA8842
6478	SEOA8582	6534	SEOA8645	6590	SEOA8712	6646	SEOA8781	6702	SEOA8844
6479	SEOA8583	6535	SEOA8646	6591	SEOA8714	6647	SEOA8782	6703	SEOA8845
6480	SEOA8584	6536	SEOA8647	6592	SEOA8715	6648	SEOA8783	6704	SEOA8846
6481	SEOA8585	6537	SEOA8648	6593	SEOA8716	6649	SEOA8784	6705	SEOA8847
6482	SEOA8586	6538	SEOA8649	6594	SEOA8719	6650	SEOA8785	6706	SEOA8848
6483	SEOA8587	6539	SEOA8650	6595	SEOA8720	6651	SEOA8786	6707	SEOA8851
6484	SEOA8588	6540	SEOA8651	6596	SEOA8722	6652	SEOA8787	6708	SEOA8852
6485	SEOA8590	6541	SEOA8652	6597	SEOA8723	6653	SEOA8788	6709	SEOA8854
6486	SEOA8592	6542	SEOA8653	6598	SEOA8724	6654	SEOA8789	6710	SEOA8856
6487	SEOA8593	6543	seoA8654n	6599	SEOA8725	6655	SEOA8790	6711	SEOA8859
6488	SEOA8594	6544	SEOA8655	6600	SEOA8727	6656	SEOA8791	6712	SEOA8867
6489	SEOA8595	6545	SEOA8656	6601	SEOA8728	6657	SEOA8792	6713	SEOA8870
6490	SEOA8597	6546	SEOA8657	6602	SEOA8729	6658	SEOA8794	6714	SEOA8873
6491	SEOA8598	6547	SEOA8658	6603	SEOA8731	6659	SEOA8795	6715	SEOA8874
6492	SEOA8599	6548	SEOA8661	6604	SEOA8733	6660	SEOA8796	6716	SEOA8876
6493	SEOA8600	6549	SEOA8663	6605	SEOA8734	6661	SEOA8797	6717	SEOA8877
6494	SEOA8601	6550	SEOA8664	6606	SEOA8735	6662	SEOA8798	6718	SEOA8878
6495	seoA8602n	6551	SEOA8668	6607	SEOA8737	6663	SEOA8799	6719	SEOA8879
6496	SEOA8603	6552	SEOA8669	6608	SEOA8738	6664	SEOA8800	6720	SEOA8880

Figure 6E - Continued

6721	SEOA8883	6777	SEOA8958	6833	SEOA9024	6889	SEOA9108	6945	seo9173
6722	SEOA8884	6778	SEOA8959	6834	SEOA9025	6890	SEOA9110	6946	SEOA9174
6723	SEOA8885	6779	SEOA8960	6835	SEOA9026	6891	SEOA9111	6947	SEOA9175
6724	SEOA8890	6780	SEOA8961	6836	SEOA9027	6892	SEOA9115	6948	SEOA9176
6725	SEOA8891	6781	SEOA8962	6837	seo9028n	6893	SEOA9117	6949	SEOA9181
6726	SEOA8892	6782	SEOA8963	6838	SEOA9029	6894	SEOA9118	6950	SEOA9182
6727	SEOA8894	6783	SEOA8964	6839	SEOA9030	6895	SEOA9119	6951	SEOA9183
6728	SEOA8895	6784	SEOA8966	6840	SEOA9031	6896	SEOA9120	6952	SEOA9184
6729	SEOA8898	6785	SEOA8967	6841	SEOA9032	6897	SEOA9121	6953	SEOA9185
6730	SEOA8899	6786	SEOA8968	6842	SEOA9033	6898	SEOA9122	6954	SEOA9186
6731	SEOA8900	6787	SEOA8969	6843	SEOA9034	6899	SEOA9123	6955	SEOA9187
6732	SEOA8902	6788	SEOA8970	6844	SEOA9037	6900	SEOA9124	6956	SEOA9188
6733	SEOA8903	6789	SEOA8971	6845	SEOA9038	6901	SEOA9125	6957	SEOA9190
6734	SEOA8904	6790	SEOA8972	6846	SEOA9039	6902	seo9127	6958	SEOA9191
6735	SEOA8905	6791	SEOA8973	6847	SEOA9040	6903	SEOA9128	6959	SEOA9192
6736	SEOA8906	6792	SEOA8974	6848	SEOA9042	6904	SEOA9129	6960	SEOA9193
6737	SEOA8907	6793	SEOA8975	6849	SEOA9046	6905	SEOA9130	6961	SEOA9194
6738	SEOA8908	6794	SEOA8976	6850	SEOA9047	6906	SEOA9131	6962	SEOA9195
6739	SEOA8909	6795	SEOA8977	6851	SEOA9049	6907	SEOA9132	6963	SEOA9196
6740	SEOA8910	6796	SEOA8978	6852	SEOA9051	6908	SEOA9133	6964	SEOA9197
6741	SEOA8911	6797	SEOA8979	6853	SEOA9060	6909	SEOA9134	6965	SEOA9199
6742	SEOA8912	6798	SEOA8980	6854	SEOA9064	6910	SEOA9135	6966	SEOA9200
6743	SEOA8913	6799	SEOA8981	6855	SEOA9065	6911	SEOA9136	6967	SEOA9201
6744	SEOA8914	6800	SEOA8982	6856	SEOA9066	6912	SEOA9137	6968	SEOA9202
6745	SEOA8916	6801	SEOA8983	6857	SEOA9067	6913	SEOA9138	6969	SEOA9203
6746	SEOA8917	6802	SEOA8984	6858	SEOA9068	6914	SEOA9139	6970	SEOA9204
6747	SEOA8918	6803	SEOA8985	6859	SEOA9070	6915	SEOA9140	6971	SEOA9205
6748	SEOA8919	6804	SEOA8986	6860	SEOA9071	6916	SEOA9142	6972	SEOA9207
6749	SEOA8920	6805	SEOA8987	6861	SEOA9072	6917	SEOA9143	6973	SEOA9208
6750	SEOA8921	6806	SEOA8988	6862	SEOA9074	6918	SEOA9145	6974	SEOA9209
6751	SEOA8922	6807	SEOA8989	6863	SEOA9075	6919	SEOA9146	6975	SEOA9210
6752	SEOA8923	6808	SEOA8990	6864	SEOA9076	6920	SEOA9147	6976	SEOA9211
6753	SEOA8924	6809	SEOA8991	6865	SEOA9078	6921	SEOA9148	6977	SEOA9212
6754	SEOA8925	6810	SEOA8992	6866	SEOA9079	6922	SEOA9149	6978	SEOA9213
6755	SEOA8926	6811	SEOA8993	6867	SEOA9081	6923	SEOA9150	6979	SEOA9214
6756	SEOA8927	6812	SEOA8996	6868	SEOA9082	6924	SEOA9151	6980	SEOA9215
6757	SEOA8934	6813	SEOA8997	6869	SEOA9083	6925	SEOA9152	6981	SEOA9216
6758	SEOA8935	6814	SEOA8999	6870	SEOA9084	6926	SEOA9153	6982	SEOA9217
6759	seo936n	6815	SEOA9000	6871	SEOA9085	6927	SEOA9154	6983	SEOA9218
6760	SEOA8938	6816	SEOA9001	6872	SEOA9086	6928	SEOA9155	6984	SEOA9219
6761	SEOA8939	6817	SEOA9003	6873	SEOA9088	6929	SEOA9156	6985	SEOA9220
6762	SEOA8940	6818	SEOA9004	6874	SEOA9089	6930	SEOA9157	6986	SEOA9221
6763	SEOA8943	6819	SEOA9006	6875	SEOA9090	6931	SEOA9158	6987	SEOA9223
6764	SEOA8944	6820	SEOA9007	6876	SEOA9094	6932	SEOA9159	6988	SEOA9224
6765	SEOA8945	6821	SEOA9010	6877	SEOA9095	6933	SEOA9160	6989	SEOA9225
6766	SEOA8946	6822	SEOA9012	6878	SEOA9096	6934	SEOA9161	6990	SEOA9226
6767	SEOA8947	6823	SEOA9013	6879	SEOA9097	6935	SEOA9162	6991	SEOA9228
6768	SEOA8948	6824	SEOA9014	6880	SEOA9098	6936	SEOA9163	6992	SEOA9229
6769	SEOA8949	6825	SEOA9015	6881	SEOA9099	6937	seo9164n	6993	SEOA9230
6770	SEOA8950	6826	SEOA9016	6882	SEOA9100	6938	SEOA9165	6994	seo9232n
6771	SEOA8951	6827	SEOA9017	6883	SEOA9101	6939	SEOA9167	6995	SEOA9233
6772	SEOA8952	6828	SEOA9018	6884	SEOA9103	6940	SEOA9168	6996	SEOA9234
6773	SEOA8954	6829	SEOA9020	6885	SEOA9104	6941	SEOA9169	6997	SEOA9235
6774	SEOA8955	6830	SEOA9021	6886	SEOA9105	6942	SEOA9170	6998	SEOA9236
6775	SEOA8956	6831	SEOA9022	6887	SEOA9106	6943	SEOA9171	6999	SEOA9237
6776	SEOA8957	6832	SEOA9023	6888	SEOA9107	6944	SEOA9172	7000	SEOA9240

Figure 6E - Continued

7001	SEOA9241	7057	SEOA9327	7113	seo9398	7169	seo9474n	7225	SEOA9552
7002	SEOA9242	7058	SEOA9328	7114	SEOA9399	7170	SEOA9476	7226	SEOA9553
7003	seo9243n	7059	SEOA9331	7115	SEOA9400	7171	SEOA9477	7227	SEOA9554
7004	SEOA9245	7060	SEOA9332	7116	SEOA9401	7172	SEOA9478	7228	SEOA9555
7005	SEOA9246	7061	SEOA9333	7117	SEOA9403	7173	SEOA9479	7229	SEOA9556
7006	SEOA9247	7062	SEOA9334	7118	SEOA9404	7174	SEOA9480	7230	SEOA9557
7007	SEOA9248	7063	SEOA9335	7119	SEOA9405	7175	SEOA9482	7231	SEOA9558
7008	SEOA9249	7064	SEOA9336	7120	SEOA9406	7176	SEOA9483	7232	SEOA9559
7009	SEOA9250	7065	SEOA9337	7121	SEOA9407	7177	SEOA9484	7233	SEOA9560
7010	SEOA9251	7066	SEOA9338	7122	SEOA9408	7178	SEOA9485	7234	SEOA9561
7011	SEOA9252	7067	SEOA9339	7123	SEOA9409	7179	SEOA9486	7235	SEOA9562
7012	SEOA9253	7068	SEOA9340	7124	SEOA9414	7180	SEOA9487	7236	SEOA9563
7013	SEOA9254	7069	SEOA9341	7125	seo9415n	7181	SEOA9488	7237	SEOA9565
7014	SEOA9256	7070	SEOA9342	7126	SEOA9416	7182	SEOA9491	7238	SEOA9566
7015	SEOA9257	7071	SEOA9343	7127	SEOA9417	7183	SEOA9492	7239	SEOA9567
7016	SEOA9258	7072	SEOA9344	7128	SEOA9418	7184	SEOA9493	7240	SEOA9568
7017	SEOA9262	7073	SEOA9345	7129	SEOA9419	7185	SEOA9494	7241	SEOA9570
7018	SEOA9265	7074	SEOA9346	7130	SEOA9420	7186	SEOA9495	7242	SEOA9571
7019	SEOA9267	7075	SEOA9348	7131	SEOA9421	7187	SEOA9499	7243	SEOA9572
7020	SEOA9268	7076	SEOA9349	7132	SEOA9422	7188	SEOA9500	7244	SEOA9573
7021	SEOA9269	7077	SEOA9350	7133	SEOA9423	7189	SEOA9501	7245	SEOA9574
7022	SEOA9270	7078	SEOA9351	7134	SEOA9424	7190	SEOA9502	7246	SEOA9575
7023	SEOA9272	7079	SEOA9353	7135	SEOA9425	7191	SEOA9503	7247	SEOA9576
7024	SEOA9273	7080	SEOA9355	7136	SEOA9427	7192	SEOA9504	7248	SEOA9577
7025	SEOA9281	7081	SEOA9356	7137	SEOA9428	7193	SEOA9505	7249	SEOA9578
7026	SEOA9282	7082	SEOA9357	7138	SEOA9429	7194	SEOA9507	7250	SEOA9580
7027	SEOA9283	7083	SEOA9359	7139	SEOA9430	7195	SEOA9508	7251	SEOA9581
7028	SEOA9284	7084	SEOA9360	7140	SEOA9431	7196	SEOA9509	7252	SEOA9582
7029	SEOA9286	7085	SEOA9361	7141	SEOA9432	7197	SEOA9510	7253	SEOA9583
7030	SEOA9287	7086	SEOA9363	7142	SEOA9433	7198	SEOA9511	7254	SEOA9584
7031	SEOA9288	7087	SEOA9364	7143	SEOA9435	7199	SEOA9512	7255	SEOA9585
7032	SEOA9289	7088	SEOA9365	7144	SEOA9438	7200	SEOA9513	7256	SEOA9586
7033	SEOA9291	7089	SEOA9366	7145	SEOA9441	7201	SEOA9515	7257	SEOA9587
7034	SEOA9294	7090	SEOA9367	7146	SEOA9442	7202	SEOA9516	7258	SEOA9589
7035	SEOA9295	7091	SEOA9368	7147	SEOA9443	7203	SEOA9517	7259	SEOA9590
7036	SEOA9296	7092	SEOA9370	7148	SEOA9444	7204	SEOA9518	7260	SEOA9591
7037	SEOA9297	7093	SEOA9371	7149	SEOA9445	7205	SEOA9519	7261	SEOA9592
7038	SEOA9302	7094	SEOA9372	7150	SEOA9449	7206	SEOA9522	7262	SEOA9593
7039	SEOA9303	7095	SEOA9373	7151	SEOA9451	7207	SEOA9523	7263	SEOA9595
7040	SEOA9304	7096	SEOA9374	7152	seo9452	7208	SEOA9524	7264	SEOA9598
7041	SEOA9307	7097	SEOA9376	7153	SEOA9453	7209	SEOA9525	7265	SEOA9599
7042	SEOA9308	7098	SEOA9377	7154	SEOA9454	7210	SEOA9526	7266	SEOA9601
7043	SEOA9311	7099	SEOA9378	7155	SEOA9455	7211	SEOA9528	7267	SEOA9603
7044	SEOA9312	7100	SEOA9379	7156	SEOA9457	7212	SEOA9529	7268	SEOA9605
7045	SEOA9313	7101	SEOA9381	7157	SEOA9458	7213	SEOA9532	7269	SEOA9606
7046	SEOA9315	7102	SEOA9383	7158	SEOA9459	7214	SEOA9534	7270	SEOA9609
7047	SEOA9316	7103	SEOA9385	7159	SEOA9460	7215	SEOA9535	7271	SEOA9610
7048	SEOA9317	7104	SEOA9387	7160	SEOA9461	7216	SEOA9537	7272	SEOA9611
7049	SEOA9319	7105	SEOA9388	7161	SEOA9462	7217	SEOA9538	7273	SEOA9612
7050	SEOA9320	7106	SEOA9389	7162	SEOA9464	7218	SEOA9539	7274	SEOA9613
7051	SEOA9321	7107	SEOA9390	7163	SEOA9465	7219	SEOA9541	7275	SEOA9614
7052	SEOA9322	7108	SEOA9391	7164	SEOA9467	7220	SEOA9545	7276	SEOA9615
7053	SEOA9323	7109	SEOA9392	7165	SEOA9469	7221	SEOA9546	7277	SEOA9616
7054	SEOA9324	7110	SEOA9393	7166	SEOA9470	7222	SEOA9547	7278	SEOA9617
7055	SEOA9325	7111	SEOA9395	7167	SEOA9471	7223	SEOA9548	7279	SEOA9618
7056	SEOA9326	7112	SEOA9397	7168	SEOA9473	7224	SEOA9549	7280	SEOA9619



Figure 6E - Continued

7281	SEOA9620	7337	SEOA9684	7393	SEOA9756	7449	SEOA9823	7505	SEOA9888
7282	seo9621n	7338	SEOA9688	7394	SEOA9757	7450	SEOA9824	7506	SEOA9889
7283	SEOA9623	7339	SEOA9689	7395	SEOA9758	7451	SEOA9825	7507	SEOA9890
7284	SEOA9624	7340	SEOA9690	7396	SEOA9759	7452	SEOA9826	7508	SEOA9891
7285	SEOA9625	7341	SEOA9691	7397	SEOA9760	7453	SEOA9827	7509	SEOA9892
7286	SEOA9626	7342	SEOA9692	7398	SEOA9761	7454	SEOA9828	7510	SEOA9893
7287	SEOA9627	7343	SEOA9693	7399	SEOA9762	7455	SEOA9829	7511	SEOA9895
7288	SEOA9628	7344	SEOA9694	7400	SEOA9764	7456	seo9830n	7512	SEOA9896
7289	SEOA9629	7345	SEOA9695	7401	SEOA9765	7457	SEOA9831	7513	SEOA9897
7290	SEOA9630	7346	SEOA9696	7402	SEOA9766	7458	SEOA9832	7514	SEOA9898
7291	SEOA9631	7347	SEOA9697	7403	SEOA9767	7459	SEOA9833	7515	SEOA9900
7292	SEOA9632	7348	SEOA9699	7404	SEOA9768	7460	SEOA9834	7516	SEOA9901
7293	SEOA9633	7349	SEOA9700	7405	SEOA9769	7461	SEOA9835	7517	SEOA9902
7294	SEOA9634	7350	SEOA9701	7406	SEOA9770	7462	SEOA9836	7518	SEOA9905
7295	SEOA9635	7351	SEOA9702	7407	SEOA9771	7463	SEOA9837	7519	SEOA9907
7296	SEOA9636	7352	SEOA9703	7408	SEOA9772	7464	SEOA9838	7520	SEOA9908
7297	SEOA9637	7353	SEOA9704	7409	SEOA9773	7465	SEOA9839	7521	SEOA9909
7298	SEOA9638	7354	SEOA9705	7410	SEOA9775	7466	SEOA9840	7522	SEOA9910
7299	SEOA9639	7355	SEOA9706	7411	SEOA9777	7467	SEOA9841	7523	SEOA9912
7300	SEOA9640	7356	SEOA9707	7412	SEOA9778	7468	SEOA9843	7524	SEOA9913
7301	SEOA9642	7357	SEOA9709	7413	SEOA9779	7469	SEOA9844	7525	SEOA9914
7302	SEOA9643	7358	SEOA9710	7414	SEOA9780	7470	SEOA9847	7526	SEOA9915
7303	SEOA9644	7359	SEOA9711	7415	SEOA9781	7471	SEOA9848	7527	SEOA9916
7304	SEOA9645	7360	SEOA9712	7416	SEOA9783	7472	SEOA9849	7528	SEOA9917
7305	SEOA9647	7361	seo9715n	7417	SEOA9784	7473	SEOA9850	7529	SEOA9918
7306	SEOA9649	7362	SEOA9716	7418	SEOA9785	7474	SEOA9851	7530	SEOA9919
7307	SEOA9650	7363	SEOA9718	7419	SEOA9788	7475	SEOA9852	7531	SEOA9920
7308	SEOA9651	7364	SEOA9719	7420	SEOA9789	7476	SEOA9853	7532	SEOA9921
7309	SEOA9652	7365	SEOA9720	7421	SEOA9790	7477	SEOA9854	7533	SEOA9922
7310	SEOA9653	7366	SEOA9722	7422	SEOA9791	7478	SEOA9855	7534	SEOA9923
7311	SEOA9654	7367	SEOA9723	7423	SEOA9792	7479	SEOA9856	7535	SEOA9924
7312	SEOA9655	7368	SEOA9724	7424	SEOA9793	7480	SEOA9858	7536	SEOA9925
7313	SEOA9656	7369	SEOA9725	7425	SEOA9794	7481	SEOA9861	7537	SEOA9926
7314	SEOA9657	7370	SEOA9726	7426	SEOA9795	7482	SEOA9862	7538	SEOA9927
7315	SEOA9658	7371	SEOA9728	7427	SEOA9796	7483	SEOA9864	7539	SEOA9928
7316	SEOA9659	7372	SEOA9729	7428	SEOA9797	7484	SEOA9867	7540	SEOA9929
7317	SEOA9660	7373	SEOA9731	7429	SEOA9798	7485	SEOA9868	7541	SEOA9930
7318	SEOA9661	7374	SEOA9732	7430	SEOA9799	7486	SEOA9869	7542	SEOA9931
7319	seo9663n	7375	SEOA9733	7431	SEOA9800	7487	SEOA9870	7543	SEOA9932
7320	SEOA9664	7376	SEOA9734	7432	SEOA9801	7488	SEOA9871	7544	SEOA9933
7321	SEOA9665	7377	SEOA9735	7433	SEOA9802	7489	SEOA9872	7545	SEOA9934
7322	SEOA9666	7378	SEOA9736	7434	SEOA9803	7490	SEOA9873	7546	SEOA9935
7323	SEOA9667	7379	SEOA9738	7435	SEOA9804	7491	SEOA9874	7547	SEOA9936
7324	SEOA9668	7380	SEOA9739	7436	SEOA9805	7492	SEOA9875	7548	SEOA9937
7325	SEOA9670	7381	SEOA9740	7437	SEOA9809	7493	SEOA9876	7549	SEOA9938
7326	SEOA9671	7382	SEOA9742	7438	SEOA9810	7494	SEOA9877	7550	SEOA9940
7327	SEOA9672	7383	SEOA9743	7439	SEOA9811	7495	SEOA9878	7551	SEOA9941
7328	SEOA9673	7384	SEOA9744	7440	SEOA9812	7496	SEOA9879	7552	SEOA9943
7329	SEOA9674	7385	SEOA9747	7441	SEOA9813	7497	SEOA9880	7553	SEOA9944
7330	SEOA9675	7386	SEOA9748	7442	SEOA9814	7498	SEOA9881	7554	SEOA9945
7331	SEOA9676	7387	SEOA9750	7443	SEOA9817	7499	SEOA9882	7555	SEOA9946
7332	SEOA9678	7388	SEOA9751	7444	SEOA9818	7500	SEOA9883	7556	SEOA9947
7333	SEOA9679	7389	SEOA9752	7445	SEOA9819	7501	SEOA9884	7557	SEOA9948
7334	SEOA9680	7390	SEOA9753	7446	SEOA9820	7502	SEOA9885	7558	SEOA9949
7335	SEOA9682	7391	SEOA9754	7447	SEOA9821	7503	SEOA9886	7559	SEOA9950
7336	SEOA9683	7392	SEOA9755	7448	SEOA9822	7504	SEOA9887	7560	SEOA9951

Figure 6E - Continued

7561	SEOA9955	7617	SEOB0037	7673	SEOB0103	7729	SEOB0168	7785	SEOB0232
7562	SEOA9956	7618	SEOB0038	7674	SEOB0105	7730	SEOB0169	7786	SEOB0233
7563	SEOA9957	7619	SEOB0039	7675	SEOB0106	7731	SEOB0171	7787	SEOB0234
7564	SEOA9958	7620	SEOB0041	7676	SEOB0107	7732	SEOB0173	7788	SEOB0235
7565	SEOA9959	7621	SEOB0042	7677	SEOB0108	7733	SEOB0174	7789	SEOB0236
7566	SEOA9977	7622	SEOB0043	7678	SEOB0109	7734	SEOB0175	7790	SEOB0237
7567	SEOA9978	7623	SEOB0044	7679	SEOB0110	7735	SEOB0176	7791	SEOB0238
7568	SEOA9980	7624	SEOB0045	7680	SEOB0111	7736	seob0177	7792	SEOB0239
7569	SEOA9981	7625	SEOB0046	7681	SEOB0112	7737	SEOB0178	7793	SEOB0240
7570	SEOA9982	7626	SEOB0047	7682	SEOB0113	7738	SEOB0180	7794	SEOB0241
7571	SEOA9983	7627	SEOB0049	7683	SEOB0114	7739	SEOB0182	7795	SEOB0242
7572	SEOA9984	7628	SEOB0050	7684	SEOB0115	7740	SEOB0184	7796	SEOB0243
7573	SEOA9985	7629	seob0051n	7685	SEOB0116	7741	SEOB0185	7797	SEOB0247
7574	SEOA9986	7630	SEOB0052	7686	SEOB0117	7742	SEOB0186	7798	SEOB0248
7575	SEOA9987	7631	SEOB0055	7687	SEOB0118	7743	SEOB0187	7799	SEOB0249
7576	SEOA9988	7632	SEOB0056	7688	SEOB0119	7744	SEOB0188	7800	SEOB0250
7577	SEOA9989	7633	SEOB0057	7689	SEOB0121	7745	SEOB0189	7801	SEOB0251
7578	SEOA9990	7634	SEOB0058	7690	SEOB0122	7746	SEOB0190	7802	SEOB0253
7579	SEOA9991	7635	SEOB0059	7691	SEOB0123	7747	SEOB0191	7803	SEOB0254
7580	SEOA9992	7636	SEOB0060	7692	SEOB0124	7748	SEOB0192	7804	SEOB0255
7581	SEOA9993	7637	SEOB0061	7693	SEOB0125	7749	SEOB0193	7805	SEOB0256
7582	SEOA9995	7638	SEOB0062	7694	SEOB0126	7750	SEOB0194	7806	SEOB0257
7583	SEOA9997	7639	SEOB0063	7695	SEOB0127	7751	SEOB0195	7807	SEOB0258
7584	SEOA9998	7640	SEOB0065	7696	SEOB0128	7752	SEOB0196	7808	SEOB0259
7585	SEOB0001	7641	SEOB0066	7697	SEOB0129	7753	SEOB0198	7809	SEOB0260
7586	SEOB0002	7642	SEOB0067	7698	SEOB0130	7754	SEOB0200	7810	SEOB0261
7587	SEOB0003	7643	SEOB0068	7699	SEOB0132	7755	SEOB0201	7811	SEOB0262
7588	SEOB0004	7644	SEOB0069	7700	SEOB0133	7756	SEOB0202	7812	SEOB0263
7589	SEOB0005	7645	SEOB0070	7701	SEOB0136	7757	SEOB0203	7813	SEOB0264
7590	SEOB0006	7646	SEOB0071	7702	SEOB0137	7758	SEOB0204	7814	SEOB0265
7591	SEOB0007	7647	seob0073	7703	SEOB0138	7759	SEOB0205	7815	SEOB0266
7592	SEOB0008	7648	SEOB0075	7704	SEOB0139	7760	SEOB0206	7816	SEOB0267
7593	SEOB0009	7649	SEOB0076	7705	SEOB0140	7761	SEOB0207	7817	SEOB0268
7594	SEOB0010	7650	SEOB0077	7706	SEOB0141	7762	seob0208n	7818	SEOB0269
7595	SEOB0011	7651	SEOB0079	7707	SEOB0143	7763	SEOB0209	7819	SEOB0270
7596	SEOB0012	7652	SEOB0080	7708	SEOB0144	7764	SEOB0210	7820	SEOB0271
7597	SEOB0013	7653	SEOB0081	7709	SEOB0147	7765	SEOB0211	7821	SEOB0272
7598	SEOB0014	7654	SEOB0082	7710	SEOB0149	7766	SEOB0212	7822	SEOB0273
7599	SEOB0015	7655	SEOB0084	7711	SEOB0150	7767	SEOB0213	7823	SEOB0274
7600	SEOB0016	7656	SEOB0085	7712	SEOB0151	7768	SEOB0214	7824	SEOB0275
7601	SEOB0017	7657	SEOB0086	7713	SEOB0152	7769	seob0215n	7825	SEOB0277
7602	SEOB0018	7658	SEOB0087	7714	SEOB0153	7770	SEOB0216	7826	SEOB0278
7603	SEOB0019	7659	SEOB0088	7715	SEOB0154	7771	SEOB0218	7827	SEOB0279
7604	SEOB0020	7660	SEOB0089	7716	SEOB0155	7772	SEOB0219	7828	SEOB0281
7605	seob0022n	7661	SEOB0090	7717	SEOB0156	7773	SEOB0220	7829	SEOB0282
7606	SEOB0023	7662	SEOB0092	7718	SEOB0157	7774	SEOB0221	7830	SEOB0283
7607	SEOB0025	7663	SEOB0093	7719	SEOB0158	7775	SEOB0222	7831	SEOB0284
7608	SEOB0026	7664	SEOB0094	7720	SEOB0159	7776	SEOB0223	7832	SEOB0285
7609	SEOB0027	7665	SEOB0095	7721	SEOB0160	7777	SEOB0224	7833	SEOB0286
7610	SEOB0029	7666	SEOB0096	7722	SEOB0161	7778	SEOB0225	7834	SEOB0287
7611	SEOB0030	7667	SEOB0097	7723	SEOB0162	7779	SEOB0226	7835	SEOB0288
7612	SEOB0031	7668	SEOB0098	7724	SEOB0163	7780	SEOB0227	7836	SEOB0289
7613	SEOB0033	7669	SEOB0099	7725	SEOB0164	7781	SEOB0228	7837	seob0290n
7614	SEOB0034	7670	SEOB0100	7726	SEOB0165	7782	SEOB0229	7838	SEOB0291
7615	SEOB0035	7671	SEOB0101	7727	SEOB0166	7783	SEOB0230	7839	SEOB0293
7616	SEOB0036	7672	SEOB0102	7728	SEOB0167	7784	SEOB0231	7840	SEOB0294

Figure 6E – Continued

7841	SEOB0295	7897	SEOB0367	7953	SEOB0435	8009	SEOB0521	8065	SEOB0595
7842	SEOB0296	7898	SEOB0368	7954	SEOB0437	8010	SEOB0522	8066	SEOB0596
7843	SEOB0298	7899	SEOB0369	7955	SEOB0438	8011	SEOB0523	8067	SEOB0598
7844	SEOB0299	7900	SEOB0370	7956	SEOB0439	8012	SEOB0524	8068	SEOB0599
7845	SEOB0300	7901	SEOB0371	7957	SEOB0440	8013	SEOB0526	8069	SEOB0600
7846	SEOB0301	7902	SEOB0372	7958	SEOB0441	8014	SEOB0527	8070	SEOB0601
7847	SEOB0302	7903	SEOB0373	7959	SEOB0442	8015	SEOB0528	8071	SEOB0604
7848	SEOB0303	7904	SEOB0374	7960	SEOB0446	8016	SEOB0529	8072	SEOB0605
7849	SEOB0304	7905	SEOB0375	7961	SEOB0447	8017	SEOB0530	8073	SEOB0606
7850	SEOB0307	7906	SEOB0376	7962	SEOB0449	8018	SEOB0531	8074	SEOB0607
7851	SEOB0308	7907	SEOB0378	7963	SEOB0450	8019	SEOB0532	8075	SEOB0608
7852	SEOB0309	7908	SEOB0379	7964	SEOB0452	8020	SEOB0533	8076	SEOB0609
7853	SEOB0310	7909	SEOB0380	7965	SEOB0453	8021	SEOB0534	8077	SEOB0610
7854	SEOB0312	7910	SEOB0381	7966	SEOB0456	8022	SEOB0535	8078	SEOB0611
7855	SEOB0313	7911	SEOB0382	7967	SEOB0458	8023	SEOB0536	8079	SEOB0612
7856	SEOB0314	7912	SEOB0385	7968	SEOB0459	8024	SEOB0537	8080	SEOB0615
7857	SEOB0315	7913	SEOB0386	7969	SEOB0461	8025	SEOB0538	8081	SEOB0617
7858	SEOB0317	7914	SEOB0387	7970	SEOB0462	8026	SEOB0539	8082	SEOB0618
7859	SEOB0318	7915	SEOB0389	7971	SEOB0464	8027	SEOB0540	8083	SEOB0621
7860	SEOB0319	7916	SEOB0390	7972	SEOB0465	8028	SEOB0541	8084	SEOB0622
7861	SEOB0320	7917	SEOB0392	7973	SEOB0466	8029	SEOB0543	8085	SEOB0623
7862	SEOB0321	7918	SEOB0393	7974	SEOB0467	8030	SEOB0546	8086	SEOB0624
7863	SEOB0322	7919	SEOB0394	7975	SEOB0469	8031	SEOB0547	8087	SEOB0625
7864	SEOB0323	7920	SEOB0395	7976	SEOB0471	8032	SEOB0548	8088	SEOB0627a
7865	SEOB0324	7921	SEOB0396	7977	SEOB0474	8033	SEOB0549	8089	SEOB0628a
7866	SEOB0325	7922	SEOB0398	7978	SEOB0475	8034	SEOB0550	8090	SEOB0629a
7867	SEOB0326	7923	SEOB0399	7979	SEOB0476	8035	SEOB0551	8091	SEOB0630a
7868	SEOB0328	7924	SEOB0400	7980	SEOB0477	8036	SEOB0553	8092	SEOB0631a
7869	SEOB0329	7925	SEOB0402	7981	SEOB0478	8037	SEOB0554	8093	SEOB0632a
7870	SEOB0330	7926	SEOB0403	7982	SEOB0482	8038	SEOB0555	8094	SEOB0633a
7871	seob0331n	7927	SEOB0404	7983	SEOB0483	8039	SEOB0556	8095	SEOB0636a
7872	SEOB0334	7928	SEOB0405	7984	SEOB0484	8040	SEOB0558	8096	SEOB0637a
7873	SEOB0335	7929	SEOB0406	7985	SEOB0485	8041	SEOB0559	8097	SEOB0639a
7874	SEOB0336	7930	SEOB0407	7986	SEOB0486	8042	SEOB0561	8098	SEOB0641a
7875	SEOB0338	7931	SEOB0408	7987	SEOB0487	8043	SEOB0562	8099	SEOB0643a
7876	SEOB0339	7932	SEOB0409	7988	SEOB0490	8044	SEOB0563	8100	SEOB0646a
7877	SEOB0340	7933	SEOB0410	7989	SEOB0491	8045	SEOB0564	8101	SEOB0648a
7878	SEOB0342	7934	SEOB0411	7990	SEOB0496	8046	SEOB0565	8102	SEOB0649a
7879	SEOB0343	7935	SEOB0412	7991	SEOB0497	8047	SEOB0566	8103	SEOB0650a
7880	SEOB0344	7936	SEOB0413	7992	SEOB0499	8048	SEOB0568	8104	SEOB0651a
7881	SEOB0345	7937	SEOB0414	7993	SEOB0501	8049	SEOB0569	8105	seob0652an
7882	SEOB0346	7938	SEOB0415	7994	SEOB0502	8050	SEOB0570	8106	SEOB0654a
7883	SEOB0347	7939	SEOB0417	7995	SEOB0504	8051	SEOB0571	8107	SEOB0655a
7884	SEOB0349	7940	SEOB0418	7996	SEOB0506	8052	SEOB0572	8108	SEOB0656a
7885	SEOB0350	7941	SEOB0419	7997	SEOB0507	8053	SEOB0574	8109	SEOB0657a
7886	SEOB0351	7942	SEOB0420	7998	SEOB0508	8054	SEOB0575	8110	SEOB0658a
7887	SEOB0352	7943	SEOB0421	7999	SEOB0509	8055	SEOB0577	8111	SEOB0659a
7888	SEOB0353	7944	SEOB0422	8000	SEOB0510	8056	SEOB0578	8112	SEOB0660a
7889	SEOB0355	7945	SEOB0423	8001	SEOB0511	8057	SEOB0579	8113	SEOB0662a
7890	SEOB0357	7946	SEOB0424	8002	SEOB0512	8058	SEOB0584	8114	SEOB0663a
7891	SEOB0360	7947	SEOB0425	8003	SEOB0513	8059	SEOB0585	8115	SEOB0664a
7892	SEOB0361	7948	SEOB0426	8004	SEOB0514	8060	SEOB0586	8116	SEOB0665a
7893	SEOB0362	7949	SEOB0429	8005	SEOB0516	8061	SEOB0587	8117	SEOB0667a
7894	SEOB0363	7950	SEOB0431	8006	SEOB0517	8062	SEOB0590	8118	SEOB0668a
7895	SEOB0364	7951	SEOB0433	8007	SEOB0519	8063	SEOB0592	8119	seob0669a
7896	SEOB0365	7952	SEOB0434	8008	SEOB0520	8064	SEOB0593	8120	SEOB0670a

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8121	SEOB0671a	8177	SEOB0742	8233	SEOB0817	8289	SEOB0885a	8345	SEOB0965
8122	SEOB0672a	8178	SEOB0743	8234	SEOB0818a	8290	SEOB0886a	8346	SEOB0967
8123	SEOB0673a	8179	SEOB0745	8235	SEOB0819a	8291	SEOB0888a	8347	SEOB0968
8124	SEOB0674a	8180	SEOB0746	8236	SEOB0820a	8292	SEOB0889a	8348	SEOB0970
8125	SEOB0675a	8181	seob0747n	8237	SEOB0821a	8293	SEOB0891a	8349	SEOB0971
8126	SEOB0676a	8182	SEOB0748	8238	SEOB0823a	8294	SEOB0892a	8350	SEOB0972
8127	SEOB0678a	8183	SEOB0749	8239	SEOB0824a	8295	SEOB0893a	8351	SEOB0973
8128	seob0679a	8184	SEOB0750	8240	SEOB0825a	8296	SEOB0894a	8352	SEOB0974
8129	SEOB0680a	8185	SEOB0751	8241	SEOB0826a	8297	SEOB0895a	8353	SEOB0975
8130	SEOB0681a	8186	SEOB0752	8242	SEOB0827a	8298	SEOB0896a	8354	SEOB0976
8131	SEOB0682a	8187	SEOB0753	8243	SEOB0829a	8299	SEOB0897a	8355	SEOB0977
8132	SEOB0684a	8188	SEOB0754	8244	SEOB0830a	8300	SEOB0899a	8356	SEOB0978
8133	SEOB0685a	8189	SEOB0755	8245	SEOB0831a	8301	SEOB0900a	8357	SEOB0980
8134	SEOB0688a	8190	SEOB0756	8246	SEOB0832a	8302	SEOB0901a	8358	SEOB0983
8135	SEOB0689a	8191	SEOB0757	8247	SEOB0833a	8303	SEOB0902a	8359	SEOB0984
8136	SEOB0690a	8192	SEOB0758	8248	SEOB0834a	8304	SEOB0903a	8360	SEOB0985
8137	SEOB0691a	8193	SEOB0759	8249	SEOB0835a	8305	SEOB0904a	8361	SEOB0987
8138	SEOB0692a	8194	SEOB0760	8250	SEOB0836a	8306	SEOB0905a	8362	SEOB0989
8139	SEOB0693a	8195	SEOB0761	8251	SEOB0837a	8307	SEOB0906a	8363	SEOB0990
8140	SEOB0694a	8196	SEOB0763	8252	SEOB0840a	8308	SEOB0907a	8364	SEOB0991
8141	SEOB0695a	8197	SEOB0764	8253	SEOB0841a	8309	SEOB0908a	8365	SEOB0992
8142	seob0696an	8198	SEOB0765	8254	SEOB0842a	8310	SEOB0910a	8366	SEOB0993
8143	SEOB0697a	8199	SEOB0767	8255	SEOB0843a	8311	SEOB0911a	8367	SEOB0995
8144	SEOB0698a	8200	SEOB0768	8256	SEOB0844a	8312	SEOB0912a	8368	SEOB0999
8145	SEOB0699a	8201	SEOB0770	8257	SEOB0845a	8313	SEOB0914	8369	SEOB1000
8146	SEOB0700a	8202	SEOB0771	8258	SEOB0846a	8314	SEOB0915	8370	SEOB1001
8147	SEOB0701a	8203	SEOB0772	8259	SEOB0847a	8315	SEOB0916	8371	SEOB1004
8148	SEOB0702a	8204	SEOB0773	8260	SEOB0848a	8316	SEOB0917	8372	SEOB1007
8149	SEOB0703a	8205	SEOB0774a	8261	SEOB0849a	8317	SEOB0918	8373	SEOB1008
8150	SEOB0704a	8206	SEOB0776a	8262	SEOB0850a	8318	SEOB0919	8374	SEOB1009
8151	SEOB0705a	8207	SEOB0777a	8263	SEOB0851a	8319	SEOB0921	8375	SEOB1010
8152	SEOB0706a	8208	SEOB0778a	8264	SEOB0852a	8320	SEOB0922	8376	seob1011n
8153	SEOB0707a	8209	SEOB0779a	8265	SEOB0853a	8321	SEOB0923	8377	SEOB1012
8154	SEOB0708a	8210	SEOB0782a	8266	SEOB0855a	8322	SEOB0924	8378	SEOB1013
8155	SEOB0709a	8211	SEOB0783a	8267	SEOB0856a	8323	SEOB0925	8379	SEOB1014
8156	SEOB0710a	8212	SEOB0786a	8268	SEOB0857a	8324	SEOB0926	8380	SEOB1015
8157	SEOB0712a	8213	SEOB0787a	8269	SEOB0858a	8325	SEOB0927	8381	SEOB1016
8158	SEOB0713a	8214	SEOB0788a	8270	SEOB0859a	8326	SEOB0928	8382	SEOB1017
8159	SEOB0714a	8215	SEOB0789	8271	SEOB0864a	8327	SEOB0933	8383	SEOB1019
8160	SEOB0715a	8216	seob0790	8272	SEOB0865a	8328	SEOB0937	8384	SEOB1020
8161	SEOB0716a	8217	SEOB0791	8273	SEOB0866a	8329	SEOB0938	8385	SEOB1021
8162	SEOB0717a	8218	SEOB0794	8274	SEOB0867a	8330	SEOB0939	8386	SEOB1022
8163	SEOB0721a	8219	SEOB0795	8275	SEOB0868a	8331	SEOB0941	8387	SEOB1023
8164	SEOB0723	8220	SEOB0796	8276	SEOB0869a	8332	SEOB0943	8388	SEOB1024
8165	SEOB0725	8221	SEOB0797	8277	SEOB0870a	8333	SEOB0944	8389	SEOB1025
8166	SEOB0726	8222	SEOB0803	8278	SEOB0871a	8334	SEOB0945	8390	SEOB1026
8167	SEOB0727	8223	SEOB0804	8279	SEOB0872a	8335	SEOB0949	8391	seob1027n
8168	SEOB0728	8224	SEOB0808a	8280	SEOB0874a	8336	SEOB0950	8392	SEOB1028
8169	SEOB0729	8225	SEOB0809	8281	SEOB0875a	8337	SEOB0952	8393	SEOB1029
8170	SEOB0731	8226	SEOB0810	8282	SEOB0876a	8338	SEOB0953	8394	SEOB1030
8171	SEOB0732	8227	seob0811n	8283	SEOB0878a	8339	SEOB0954	8395	SEOB1031
8172	SEOB0733	8228	SEOB0812	8284	SEOB0879a	8340	SEOB0958	8396	SEOB1032
8173	SEOB0735	8229	SEOB0813	8285	SEOB0880a	8341	SEOB0959	8397	SEOB1033
8174	SEOB0736	8230	SEOB0814	8286	SEOB0882a	8342	SEOB0962	8398	SEOB1034
8175	SEOB0737	8231	SEOB0815	8287	SEOB0883a	8343	seob0963n	8399	seob1036
8176	SEOB0739	8232	seob0816n	8288	SEOB0884a	8344	SEOB0964	8400	seob1037

Figure 6E - Continued

8401	seob1039	8457	seob1128n	8513	SEOB1191	8569	SEOB1255	8625	SEOB1319
8402	seob1040	8458	SEOB1129	8514	SEOB1192	8570	SEOB1256	8626	SEOB1321
8403	seob1041	8459	SEOB1130	8515	SEOB1193	8571	SEOB1257	8627	SEOB1322
8404	seob1042	8460	SEOB1131	8516	SEOB1194	8572	SEOB1258	8628	SEOB1323
8405	seob1043	8461	SEOB1132	8517	SEOB1195	8573	SEOB1259	8629	SEOB1324
8406	seob1044	8462	SEOB1133	8518	SEOB1196	8574	SEOB1260	8630	SEOB1325
8407	seob1046	8463	SEOB1134	8519	SEOB1197	8575	SEOB1261	8631	SEOB1327
8408	seob1052	8464	SEOB1136	8520	SEOB1198	8576	SEOB1262	8632	SEOB1328
8409	seob1053	8465	SEOB1137	8521	SEOB1199	8577	SEOB1263	8633	SEOB1329
8410	seob1054	8466	SEOB1138	8522	SEOB1200	8578	SEOB1264	8634	SEOB1330
8411	seob1055	8467	seob1139	8523	SEOB1201	8579	SEOB1265	8635	SEOB1331
8412	seob1057	8468	SEOB1140	8524	SEOB1202	8580	SEOB1266	8636	SEOB1332
8413	seob1061	8469	SEOB1141	8525	SEOB1203	8581	SEOB1267	8637	SEOB1333
8414	SEOB1064	8470	SEOB1142	8526	SEOB1205	8582	SEOB1268	8638	SEOB1334
8415	SEOB1070	8471	SEOB1143	8527	SEOB1207	8583	SEOB1269	8639	SEOB1335
8416	SEOB1071	8472	SEOB1144	8528	SEOB1208	8584	SEOB1270	8640	SEOB1336
8417	SEOB1072	8473	SEOB1145	8529	SEOB1209	8585	SEOB1271	8641	SEOB1337
8418	SEOB1073	8474	SEOB1146	8530	SEOB1211	8586	SEOB1272	8642	SEOB1339
8419	SEOB1075	8475	SEOB1147	8531	SEOB1212	8587	SEOB1273	8643	SEOB1340
8420	SEOB1076	8476	SEOB1148	8532	SEOB1213	8588	SEOB1274	8644	SEOB1342
8421	SEOB1077	8477	SEOB1149	8533	SEOB1214	8589	SEOB1275	8645	SEOB1343
8422	SEOB1078	8478	SEOB1150	8534	SEOB1215	8590	SEOB1277	8646	SEOB1344
8423	SEOB1079	8479	SEOB1151	8535	SEOB1216	8591	SEOB1279	8647	SEOB1345
8424	SEOB1081	8480	SEOB1152	8536	SEOB1218	8592	SEOB1280	8648	SEOB1346
8425	SEOB1083	8481	SEOB1153	8537	SEOB1219	8593	SEOB1282	8649	seob1347n
8426	SEOB1085	8482	SEOB1154	8538	SEOB1220	8594	SEOB1283	8650	SEOB1349
8427	SEOB1086	8483	SEOB1155	8539	SEOB1221	8595	SEOB1284	8651	SEOB1350
8428	SEOB1088	8484	SEOB1156	8540	SEOB1223	8596	SEOB1285	8652	SEOB1351
8429	SEOB1090	8485	SEOB1157	8541	SEOB1224	8597	SEOB1286	8653	SEOB1352
8430	SEOB1091	8486	SEOB1158	8542	SEOB1225	8598	SEOB1287	8654	SEOB1353
8431	SEOB1093	8487	SEOB1160	8543	SEOB1226	8599	SEOB1288	8655	SEOB1354
8432	SEOB1094	8488	SEOB1161	8544	SEOB1227	8600	SEOB1289	8656	SEOB1355
8433	SEOB1095	8489	SEOB1162	8545	SEOB1228	8601	SEOB1290	8657	SEOB1356
8434	SEOB1098	8490	SEOB1164	8546	SEOB1229	8602	SEOB1291	8658	SEOB1357
8435	SEOB1099	8491	SEOB1165	8547	SEOB1230	8603	SEOB1292	8659	SEOB1358
8436	SEOB1100	8492	SEOB1166	8548	SEOB1231	8604	SEOB1293	8660	seob1359n
8437	SEOB1102	8493	SEOB1167	8549	SEOB1232	8605	SEOB1294	8661	SEOB1360
8438	SEOB1103	8494	SEOB1168	8550	SEOB1233	8606	SEOB1295	8662	SEOB1362
8439	SEOB1107	8495	SEOB1170	8551	SEOB1234	8607	SEOB1296	8663	SEOB1363
8440	SEOB1109	8496	SEOB1171	8552	SEOB1236	8608	SEOB1297	8664	SEOB1364
8441	SEOB1110	8497	SEOB1172	8553	SEOB1237	8609	SEOB1298	8665	SEOB1365
8442	SEOB1111	8498	SEOB1173	8554	SEOB1238	8610	SEOB1300	8666	SEOB1366
8443	SEOB1112	8499	SEOB1174	8555	SEOB1240	8611	seob1301n	8667	SEOB1367
8444	SEOB1113	8500	SEOB1175	8556	SEOB1241	8612	SEOB1302	8668	SEOB1368
8445	SEOB1114	8501	SEOB1176	8557	SEOB1242	8613	SEOB1303	8669	SEOB1370
8446	SEOB1116	8502	SEOB1180	8558	SEOB1243	8614	SEOB1305	8670	SEOB1371
8447	SEOB1117	8503	SEOB1181	8559	SEOB1244	8615	SEOB1306	8671	SEOB1372
8448	SEOB1118	8504	SEOB1182	8560	SEOB1246	8616	SEOB1307	8672	seob1373n
8449	SEOB1119	8505	SEOB1183	8561	SEOB1247	8617	SEOB1310	8673	SEOB1374
8450	SEOB1120	8506	SEOB1184	8562	SEOB1248	8618	SEOB1311	8674	seob1378
8451	SEOB1121	8507	SEOB1185	8563	SEOB1249	8619	SEOB1312	8675	SEOB1380
8452	SEOB1123	8508	SEOB1186	8564	SEOB1250	8620	SEOB1313	8676	SEOB1381
8453	SEOB1124	8509	SEOB1187	8565	SEOB1251	8621	SEOB1314	8677	SEOB1382
8454	SEOB1125	8510	SEOB1188	8566	SEOB1252	8622	SEOB1315	8678	SEOB1383
8455	SEOB1126	8511	SEOB1189	8567	SEOB1253	8623	SEOB1316	8679	SEOB1384
8456	SEOB1127	8512	SEOB1190	8568	SEOB1254	8624	SEOB1318	8680	SEOB1385

Figure 6E – Continued

8681	SEOB1386	8737	SEOB1453	8793	SEOB1530	8849	SEOB1596	8905	SEOB1656
8682	SEOB1387	8738	SEOB1454	8794	SEOB1532	8850	SEOB1597	8906	seob1657
8683	seob1389n	8739	SEOB1455	8795	SEOB1533	8851	SEOB1598	8907	SEOB1659
8684	SEOB1391	8740	SEOB1456	8796	SEOB1534	8852	SEOB1599	8908	SEOB1660
8685	SEOB1392	8741	SEOB1457	8797	SEOB1535	8853	SEOB1600	8909	SEOB1661
8686	SEOB1393	8742	SEOB1458	8798	SEOB1536	8854	SEOB1602	8910	SEOB1662
8687	SEOB1394	8743	SEOB1459	8799	SEOB1537	8855	SEOB1603	8911	SEOB1663
8688	SEOB1395	8744	SEOB1461	8800	SEOB1538	8856	SEOB1604	8912	SEOB1664
8689	SEOB1396	8745	SEOB1462	8801	SEOB1540	8857	SEOB1605	8913	SEOB1665
8690	SEOB1397	8746	SEOB1463	8802	SEOB1541	8858	SEOB1606	8914	SEOB1666
8691	SEOB1398	8747	SEOB1464	8803	SEOB1542	8859	SEOB1608	8915	seob1667n
8692	SEOB1399	8748	SEOB1465	8804	SEOB1543	8860	SEOB1609	8916	SEOB1668
8693	SEOB1400	8749	SEOB1466	8805	SEOB1544	8861	SEOB1610	8917	SEOB1669
8694	SEOB1401	8750	SEOB1467	8806	SEOB1546	8862	SEOB1611	8918	SEOB1671
8695	SEOB1402	8751	SEOB1468	8807	SEOB1547	8863	SEOB1612	8919	SEOB1672
8696	SEOB1403	8752	SEOB1469	8808	SEOB1549	8864	SEOB1613	8920	SEOB1673
8697	SEOB1405	8753	SEOB1470	8809	SEOB1551	8865	SEOB1614	8921	SEOB1674
8698	SEOB1406	8754	SEOB1471	8810	SEOB1552	8866	SEOB1615	8922	SEOB1675
8699	SEOB1407	8755	SEOB1472	8811	SEOB1553	8867	SEOB1616	8923	SEOB1676
8700	SEOB1408	8756	SEOB1473	8812	SEOB1554	8868	SEOB1617	8924	SEOB1677
8701	SEOB1409	8757	SEOB1474	8813	SEOB1555	8869	SEOB1618	8925	SEOB1678
8702	SEOB1410	8758	SEOB1475	8814	SEOB1556	8870	SEOB1619	8926	seob1679n
8703	SEOB1411	8759	SEOB1476	8815	seob1557n	8871	SEOB1620	8927	SEOB1680
8704	SEOB1412	8760	SEOB1490	8816	SEOB1558	8872	SEOB1622	8928	SEOB1681
8705	SEOB1413	8761	SEOB1491	8817	SEOB1560	8873	SEOB1623	8929	SEOB1682
8706	SEOB1414	8762	SEOB1493	8818	SEOB1561	8874	SEOB1624	8930	SEOB1683
8707	SEOB1416	8763	SEOB1494	8819	SEOB1562	8875	SEOB1625	8931	SEOB1684
8708	SEOB1417	8764	SEOB1495	8820	SEOB1564	8876	SEOB1626	8932	SEOB1685
8709	SEOB1418	8765	SEOB1496	8821	SEOB1565	8877	SEOB1627	8933	SEOB1686
8710	SEOB1419	8766	SEOB1497	8822	SEOB1566	8878	SEOB1628	8934	SEOB1689
8711	SEOB1420	8767	SEOB1499	8823	SEOB1567	8879	SEOB1629	8935	SEOB1690
8712	SEOB1422	8768	SEOB1500	8824	SEOB1568	8880	SEOB1630	8936	SEOB1691
8713	SEOB1423	8769	SEOB1501	8825	SEOB1570	8881	SEOB1631	8937	SEOB1692
8714	SEOB1424	8770	SEOB1502	8826	SEOB1571	8882	SEOB1632	8938	SEOB1696
8715	SEOB1426	8771	SEOB1503	8827	SEOB1572	8883	SEOB1633	8939	SEOB1697
8716	SEOB1428	8772	SEOB1504	8828	SEOB1573	8884	SEOB1634	8940	SEOB1698
8717	SEOB1430	8773	SEOB1505	8829	SEOB1574	8885	SEOB1635	8941	SEOB1700
8718	SEOB1431	8774	SEOB1506	8830	SEOB1575	8886	SEOB1636	8942	seob1701n
8719	SEOB1432	8775	SEOB1507	8831	SEOB1576	8887	SEOB1637	8943	SEOB1702
8720	SEOB1433	8776	SEOB1508	8832	SEOB1577	8888	SEOB1638	8944	SEOB1703
8721	SEOB1434	8777	SEOB1510	8833	SEOB1578	8889	SEOB1639	8945	SEOB1704
8722	SEOB1435	8778	SEOB1512	8834	SEOB1579	8890	SEOB1640	8946	SEOB1705
8723	SEOB1437	8779	SEOB1513	8835	SEOB1581	8891	SEOB1641	8947	SEOB1706
8724	SEOB1438	8780	SEOB1514	8836	SEOB1582	8892	SEOB1642	8948	SEOB1707
8725	SEOB1439	8781	SEOB1516	8837	SEOB1583	8893	SEOB1643	8949	SEOB1708
8726	SEOB1440	8782	SEOB1517	8838	SEOB1584	8894	SEOB1644	8950	SEOB1709
8727	SEOB1441	8783	SEOB1518	8839	SEOB1586	8895	SEOB1645	8951	SEOB1710
8728	SEOB1442	8784	SEOB1520	8840	SEOB1587	8896	SEOB1646	8952	SEOB1711
8729	SEOB1443	8785	SEOB1521	8841	SEOB1588	8897	SEOB1647	8953	SEOB1712
8730	SEOB1445	8786	SEOB1522	8842	SEOB1589	8898	SEOB1648	8954	SEOB1714
8731	SEOB1447	8787	SEOB1523	8843	SEOB1590	8899	SEOB1649	8955	SEOB1715
8732	SEOB1448	8788	SEOB1525	8844	SEOB1591	8900	SEOB1650	8956	SEOB1716
8733	SEOB1449	8789	SEOB1526	8845	SEOB1592	8901	SEOB1652	8957	SEOB1717
8734	SEOB1450	8790	SEOB1527	8846	SEOB1593	8902	SEOB1653	8958	SEOB1718
8735	SEOB1451	8791	SEOB1528	8847	SEOB1594	8903	SEOB1654	8959	SEOB1719
8736	SEOB1452	8792	SEOB1529	8848	SEOB1595	8904	SEOB1655	8960	SEOB1720

Figure 6E - Continued

8961	SEOB1721	9017	SEOB1784	9073	SEOB1849	9129	SEOB1918	9185	SEOB1986
8962	SEOB1722	9018	SEOB1785	9074	SEOB1850	9130	SEOB1920	9186	SEOB1987
8963	SEOB1723	9019	SEOB1786	9075	SEOB1851	9131	SEOB1921	9187	SEOB1988
8964	SEOB1724	9020	SEOB1787	9076	SEOB1852	9132	SEOB1922	9188	SEOB1991
8965	SEOB1725	9021	SEOB1788	9077	SEOB1853	9133	SEOB1923	9189	SEOB1992
8966	SEOB1726	9022	SEOB1789	9078	SEOB1854	9134	SEOB1924	9190	SEOB1993
8967	SEOB1727	9023	SEOB1790	9079	SEOB1855	9135	SEOB1926	9191	SEOB1994
8968	SEOB1728	9024	SEOB1792	9080	SEOB1856	9136	SEOB1928	9192	SEOB1996
8969	SEOB1730	9025	SEOB1793	9081	SEOB1857	9137	SEOB1929	9193	SEOB1997
8970	SEOB1731	9026	SEOB1794	9082	SEOB1858	9138	SEOB1930	9194	SEOB1998
8971	SEOB1732	9027	SEOB1795	9083	SEOB1859	9139	SEOB1931	9195	SEOB1999
8972	SEOB1733	9028	SEOB1796	9084	SEOB1860	9140	SEOB1932	9196	SEOB2001
8973	SEOB1734	9029	SEOB1797	9085	SEOB1862	9141	SEOB1933	9197	SEOB2002
8974	SEOB1735	9030	seob1798	9086	SEOB1864	9142	SEOB1934	9198	SEOB2004
8975	SEOB1736	9031	seob1799	9087	SEOB1865	9143	SEOB1935	9199	SEOB2005
8976	SEOB1737	9032	seob1800n	9088	SEOB1866	9144	SEOB1936	9200	SEOB2006
8977	SEOB1738	9033	SEOB1801	9089	SEOB1867	9145	SEOB1937	9201	SEOB2007
8978	SEOB1739	9034	SEOB1804	9090	SEOB1868	9146	SEOB1938	9202	SEOB2008
8979	SEOB1740	9035	seob1805n	9091	SEOB1869	9147	SEOB1939	9203	SEOB2009
8980	SEOB1741	9036	SEOB1807	9092	SEOB1870	9148	SEOB1940	9204	SEOB2010
8981	SEOB1742	9037	SEOB1808	9093	SEOB1871	9149	SEOB1941	9205	SEOB2011
8982	SEOB1743	9038	SEOB1809	9094	SEOB1873	9150	seob1942n	9206	SEOB2015
8983	SEOB1744	9039	SEOB1810	9095	SEOB1874	9151	SEOB1943	9207	SEOB2016
8984	SEOB1745	9040	SEOB1811	9096	SEOB1876	9152	SEOB1944	9208	SEOB2019
8985	SEOB1746	9041	SEOB1812	9097	SEOB1877	9153	SEOB1945	9209	SEOB2022
8986	SEOB1748	9042	SEOB1814	9098	SEOB1878	9154	SEOB1946	9210	SEOB2023
8987	SEOB1749	9043	SEOB1815	9099	SEOB1879	9155	SEOB1947	9211	SEOB2024
8988	SEOB1750	9044	SEOB1817	9100	SEOB1881	9156	SEOB1948	9212	SEOB2025
8989	SEOB1752	9045	SEOB1818	9101	SEOB1882	9157	SEOB1949	9213	SEOB2026
8990	SEOB1753	9046	SEOB1819	9102	SEOB1883	9158	SEOB1951	9214	SEOB2027
8991	SEOB1754	9047	SEOB1821	9103	SEOB1884	9159	SEOB1952	9215	SEOB2028
8992	SEOB1755	9048	SEOB1822	9104	SEOB1886	9160	SEOB1953	9216	SEOB2029
8993	SEOB1756	9049	SEOB1823	9105	SEOB1887	9161	SEOB1954	9217	SEOB2030
8994	SEOB1757	9050	SEOB1824	9106	SEOB1889	9162	SEOB1955	9218	SEOB2031
8995	SEOB1758	9051	SEOB1825	9107	SEOB1890	9163	SEOB1956	9219	SEOB2032
8996	SEOB1759	9052	SEOB1826	9108	SEOB1891	9164	SEOB1958	9220	SEOB2033
8997	SEOB1762	9053	SEOB1827	9109	SEOB1892	9165	SEOB1960	9221	SEOB2034
8998	SEOB1763	9054	SEOB1828	9110	SEOB1893	9166	SEOB1961	9222	SEOB2038
8999	SEOB1764	9055	SEOB1829	9111	SEOB1894	9167	SEOB1963	9223	SEOB2039
9000	SEOB1766	9056	SEOB1831	9112	SEOB1895	9168	SEOB1964	9224	SEOB2041
9001	SEOB1767	9057	SEOB1833	9113	SEOB1897	9169	SEOB1965	9225	SEOB2042
9002	SEOB1768	9058	SEOB1834	9114	SEOB1898	9170	SEOB1966	9226	SEOB2043
9003	SEOB1769	9059	SEOB1835	9115	SEOB1899	9171	SEOB1967	9227	SEOB2044
9004	SEOB1770	9060	SEOB1836	9116	SEOB1900	9172	SEOB1968	9228	SEOB2045
9005	SEOB1771	9061	SEOB1837	9117	SEOB1902	9173	SEOB1971	9229	SEOB2046
9006	SEOB1772	9062	SEOB1838	9118	SEOB1903	9174	SEOB1972	9230	SEOB2047
9007	SEOB1773	9063	SEOB1839	9119	SEOB1904	9175	SEOB1974	9231	SEOB2048
9008	SEOB1774	9064	SEOB1840	9120	SEOB1906	9176	SEOB1976	9232	SEOB2049
9009	SEOB1775	9065	SEOB1841	9121	SEOB1907	9177	SEOB1977	9233	SEOB2050
9010	SEOB1776	9066	SEOB1842	9122	SEOB1908	9178	SEOB1978	9234	SEOB2051
9011	SEOB1777	9067	SEOB1843	9123	SEOB1909	9179	SEOB1979	9235	SEOB2052
9012	SEOB1778	9068	SEOB1844	9124	SEOB1910	9180	SEOB1980	9236	SEOB2053
9013	SEOB1780	9069	SEOB1845	9125	SEOB1911	9181	SEOB1981	9237	SEOB2054
9014	SEOB1781	9070	SEOB1846	9126	SEOB1915	9182	SEOB1982	9238	SEOB2055
9015	SEOB1782	9071	SEOB1847	9127	SEOB1916	9183	SEOB1984	9239	SEOB2056
9016	SEOB1783	9072	SEOB1848	9128	SEOB1917	9184	SEOB1985	9240	SEOB2057

Figure 6E – Continued

9241	SEOB2058	9297	SEOB2128	9353	SEOB2204	9409	SEOB2270	9465	seob2538
9242	SEOB2059	9298	SEOB2129	9354	SEOB2205	9410	SEOB2271	9466	seob2539
9243	SEOB2060	9299	SEOB2130	9355	SEOB2206	9411	SEOB2273	9467	seob2540
9244	SEOB2062	9300	SEOB2131	9356	SEOB2208	9412	SEOB2275	9468	seob2541
9245	SEOB2064	9301	SEOB2132	9357	SEOB2209	9413	SEOB2276	9469	seob2543
9246	SEOB2065	9302	SEOB2134	9358	SEOB2210	9414	SEOB2277	9470	seob2544
9247	SEOB2067	9303	SEOB2138	9359	SEOB2211	9415	SEOB2280	9471	seob2545
9248	SEOB2069	9304	SEOB2139	9360	SEOB2212	9416	SEOB2282	9472	seob2546
9249	SEOB2070	9305	SEOB2141	9361	SEOB2213	9417	SEOB2283	9473	seob2547
9250	SEOB2071	9306	seob2144n	9362	SEOB2214	9418	SEOB2284	9474	seob2548
9251	SEOB2074	9307	SEOB2145	9363	SEOB2215	9419	SEOB2286	9475	seob2549
9252	SEOB2076	9308	SEOB2146	9364	SEOB2216	9420	SEOB2287	9476	seob2551
9253	SEOB2077	9309	SEOB2147	9365	SEOB2217	9421	SEOB2288	9477	seob2553
9254	SEOB2078	9310	SEOB2148	9366	SEOB2218	9422	SEOB2290	9478	seob2554
9255	SEOB2079	9311	SEOB2149	9367	SEOB2219	9423	SEOB2291	9479	seob2555
9256	SEOB2080	9312	SEOB2150	9368	SEOB2220	9424	SEOB2292	9480	seob2556
9257	SEOB2081	9313	SEOB2151	9369	SEOB2221	9425	SEOB2293	9481	seob2557
9258	SEOB2082	9314	SEOB2152	9370	SEOB2223	9426	SEOB2294	9482	seob2559
9259	SEOB2083	9315	SEOB2153	9371	SEOB2224	9427	SEOB2295	9483	seob2560
9260	SEOB2084	9316	SEOB2154	9372	SEOB2225	9428	seob2297	9484	seob2563
9261	SEOB2085	9317	SEOB2155	9373	SEOB2226	9429	seob2299	9485	seob2564
9262	SEOB2086	9318	SEOB2156	9374	SEOB2228	9430	seob2300	9486	seob2566
9263	SEOB2087	9319	SEOB2157	9375	SEOB2229	9431	seob2301	9487	seob2567
9264	SEOB2088	9320	SEOB2158	9376	SEOB2230	9432	seob2302	9488	seob2568
9265	SEOB2089	9321	SEOB2159	9377	SEOB2232	9433	seob2303	9489	seob2569
9266	SEOB2090	9322	SEOB2160	9378	SEOB2234	9434	seob2304	9490	seob2570
9267	seob2091n	9323	SEOB2161	9379	SEOB2235	9435	seob2306	9491	seob2572
9268	SEOB2092	9324	SEOB2163	9380	SEOB2238	9436	seob2307	9492	seob2573
9269	SEOB2094	9325	SEOB2165	9381	SEOB2239	9437	seob2308	9493	seob2574
9270	SEOB2096	9326	seob2167n	9382	SEOB2240	9438	seob2309	9494	seob2575
9271	SEOB2098	9327	SEOB2168	9383	SEOB2241	9439	seob2310	9495	seob2579
9272	SEOB2100	9328	SEOB2169	9384	SEOB2242	9440	seob2311	9496	seob2582
9273	SEOB2101	9329	SEOB2171	9385	SEOB2243	9441	seob2312	9497	seob2585
9274	SEOB2102	9330	SEOB2173	9386	SEOB2245	9442	seob2314	9498	seob2587
9275	SEOB2103	9331	SEOB2176	9387	SEOB2246	9443	seob2315	9499	seob2588
9276	SEOB2104	9332	SEOB2178	9388	SEOB2247	9444	seob2316	9500	seob2589
9277	SEOB2105	9333	SEOB2179	9389	seob2248n	9445	seob2317	9501	seob2590
9278	SEOB2106	9334	SEOB2180	9390	SEOB2249	9446	seob2321	9502	seob2592
9279	SEOB2107	9335	SEOB2181	9391	SEOB2252	9447	seob2322	9503	seob2593
9280	SEOB2108	9336	SEOB2184	9392	SEOB2253	9448	seob2325	9504	seob2594
9281	SEOB2109	9337	SEOB2185	9393	SEOB2254	9449	seob2327	9505	seob2595
9282	SEOB2110	9338	SEOB2187	9394	SEOB2255	9450	seob2328	9506	seob2597
9283	SEOB2111	9339	SEOB2188	9395	SEOB2256	9451	seob2329	9507	seob2599
9284	SEOB2112	9340	SEOB2189	9396	SEOB2257	9452	seob2330	9508	seob2600
9285	SEOB2113	9341	SEOB2190	9397	SEOB2258	9453	seob2331	9509	seob2601
9286	SEOB2114	9342	SEOB2192	9398	SEOB2259	9454	seob2333	9510	seob2604
9287	SEOB2115	9343	SEOB2193	9399	SEOB2260	9455	seob2334	9511	seob2605
9288	SEOB2116	9344	SEOB2194	9400	SEOB2261	9456	seob2335	9512	seob2607
9289	SEOB2118	9345	SEOB2195	9401	SEOB2262	9457	seob2336	9513	seob2608
9290	SEOB2119	9346	SEOB2196	9402	SEOB2263	9458	seob2337	9514	seob2610
9291	SEOB2120	9347	SEOB2197	9403	SEOB2264	9459	seob2530	9515	seob2611
9292	SEOB2121	9348	SEOB2198	9404	SEOB2265	9460	seob2531	9516	seob2612
9293	SEOB2122	9349	SEOB2199	9405	SEOB2266	9461	seob2534	9517	seob2613
9294	SEOB2123	9350	SEOB2200	9406	SEOB2267	9462	seob2535	9518	seob2614
9295	SEOB2125	9351	SEOB2201	9407	SEOB2268	9463	seob2536	9519	seob2616
9296	SEOB2126	9352	seob2202n	9408	SEOB2269	9464	seob2537	9520	seob2619



Figure 6E - Continued

9521	seob2620	9577	SEOB2709	9633	SEOB2777	9689	SEOB2940	9745	SEOB3010
9522	seob2621	9578	SEOB2710	9634	SEOB2778	9690	SEOB2941	9746	SEOB3011
9523	seob2622	9579	SEOB2711	9635	SEOB2779	9691	SEOB2942	9747	SEOB3012
9524	seob2624	9580	SEOB2712	9636	SEOB2780	9692	SEOB2944	9748	SEOB3014
9525	seob2625	9581	SEOB2713	9637	SEOB2781	9693	SEOB2945	9749	SEOB3015
9526	SEOB2627	9582	SEOB2714	9638	SEOB2783	9694	SEOB2946	9750	SEOB3017
9527	SEOB2629	9583	SEOB2716	9639	SEOB2785	9695	SEOB2947	9751	SEOB3018
9528	SEOB2631	9584	SEOB2717	9640	SEOB2786	9696	SEOB2948	9752	SEOB3020
9529	SEOB2633	9585	SEOB2719	9641	SEOB2787	9697	SEOB2950	9753	SEOB3025
9530	SEOB2635	9586	SEOB2722	9642	SEOB2788	9698	SEOB2951	9754	SEOB3026
9531	SEOB2639	9587	SEOB2723	9643	SEOB2789	9699	SEOB2952	9755	SEOB3027
9532	SEOB2642	9588	SEOB2724	9644	SEOB2790	9700	SEOB2953	9756	SEOB3029
9533	SEOB2643	9589	SEOB2726	9645	SEOB2791	9701	SEOB2954	9757	SEOB3033
9534	SEOB2645	9590	SEOB2727	9646	SEOB2792	9702	SEOB2955	9758	SEOB3035
9535	SEOB2648	9591	SEOB2728	9647	SEOB2793	9703	SEOB2956	9759	SEOB3037
9536	SEOB2649	9592	SEOB2729	9648	SEOB2794	9704	SEOB2957	9760	SEOB3038
9537	SEOB2650	9593	SEOB2730	9649	SEOB2795	9705	SEOB2958	9761	SEOB3039
9538	SEOB2651	9594	SEOB2731	9650	SEOB2796	9706	SEOB2959	9762	SEOB3041
9539	SEOB2653	9595	SEOB2732	9651	SEOB2797	9707	seob2960n	9763	SEOB3042
9540	SEOB2657	9596	SEOB2733	9652	SEOB2798	9708	SEOB2962	9764	SEOB3045
9541	SEOB2658	9597	SEOB2734	9653	SEOB2800	9709	SEOB2964	9765	SEOB3047
9542	SEOB2659	9598	SEOB2735	9654	SEOB2801	9710	SEOB2965	9766	SEOB3048
9543	SEOB2660	9599	SEOB2736	9655	SEOB2802	9711	SEOB2966	9767	SEOB3049
9544	SEOB2661	9600	SEOB2737	9656	SEOB2803	9712	SEOB2967	9768	SEOB3050
9545	SEOB2662	9601	SEOB2738	9657	SEOB2804	9713	SEOB2969	9769	SEOB3051
9546	SEOB2663	9602	SEOB2739	9658	SEOB2805	9714	SEOB2972	9770	SEOB3052
9547	SEOB2665	9603	SEOB2740	9659	SEOB2806	9715	SEOB2973	9771	SEOB3053
9548	SEOB2666	9604	SEOB2741	9660	SEOB2807	9716	SEOB2974	9772	SEOB3054
9549	seob2667n	9605	SEOB2742	9661	SEOB2808	9717	SEOB2976	9773	SEOB3055
9550	SEOB2668	9606	SEOB2744	9662	SEOB2809	9718	SEOB2978	9774	SEOB3056
9551	SEOB2669	9607	SEOB2745	9663	SEOB2810	9719	SEOB2979	9775	SEOB3057
9552	SEOB2670	9608	SEOB2746	9664	SEOB2811	9720	SEOB2980	9776	SEOB3058
9553	SEOB2671	9609	SEOB2749	9665	SEOB2812	9721	SEOB2981	9777	SEOB3059
9554	SEOB2674	9610	SEOB2750	9666	SEOB2813	9722	SEOB2983	9778	SEOB3061
9555	SEOB2676	9611	SEOB2751	9667	SEOB2814	9723	SEOB2984	9779	SEOB3063
9556	SEOB2677	9612	SEOB2752	9668	SEOB2816	9724	SEOB2985	9780	SEOB3064
9557	SEOB2678	9613	SEOB2753	9669	SEOB2817	9725	SEOB2986	9781	seob3065n
9558	SEOB2679	9614	SEOB2754	9670	SEOB2914	9726	SEOB2987	9782	SEOB3066
9559	SEOB2680	9615	SEOB2755	9671	SEOB2916	9727	SEOB2988	9783	SEOB3067
9560	SEOB2681	9616	SEOB2756	9672	SEOB2917	9728	SEOB2989	9784	SEOB3068
9561	SEOB2683	9617	SEOB2757	9673	SEOB2918	9729	SEOB2990	9785	SEOB3069
9562	SEOB2685	9618	SEOB2760	9674	SEOB2919	9730	SEOB2991	9786	SEOB3072
9563	SEOB2686	9619	SEOB2761	9675	SEOB2920	9731	SEOB2994	9787	SEOB3073
9564	SEOB2688	9620	SEOB2762	9676	SEOB2921	9732	SEOB2995	9788	SEOB3074
9565	SEOB2689	9621	SEOB2763	9677	SEOB2924	9733	SEOB2996	9789	SEOB3075
9566	SEOB2690	9622	SEOB2764	9678	SEOB2925	9734	SEOB2998	9790	SEOB3076
9567	SEOB2691	9623	SEOB2765	9679	SEOB2926	9735	SEOB2999	9791	SEOB3077
9568	SEOB2692	9624	SEOB2766	9680	SEOB2927	9736	SEOB3000	9792	SEOB3078
9569	SEOB2696	9625	SEOB2767	9681	SEOB2929	9737	SEOB3002	9793	SEOB3079
9570	SEOB2697	9626	SEOB2768	9682	SEOB2930	9738	SEOB3003	9794	SEOB3081
9571	SEOB2699	9627	SEOB2770	9683	SEOB2932	9739	SEOB3004	9795	SEOB3082
9572	SEOB2701	9628	SEOB2771	9684	SEOB2934	9740	SEOB3005	9796	SEOB3083
9573	SEOB2704	9629	SEOB2772	9685	SEOB2936	9741	SEOB3006	9797	SEOB3085
9574	SEOB2705	9630	SEOB2773	9686	SEOB2937	9742	SEOB3007	9798	SEOB3086
9575	SEOB2706	9631	SEOB2774	9687	SEOB2938	9743	SEOB3008	9799	SEOB3088
9576	SEOB2707	9632	SEOB2775	9688	SEOB2939	9744	SEOB3009	9800	SEOB3090

Figure 6E - Continued

9801	SEOB3091	9857	SEOB3154	9913	SEOB3224	9969	SEOB3300	10025	SEOB3368
9802	SEOB3092	9858	SEOB3155	9914	SEOB3225	9970	SEOB3301	10026	SEOB3369
9803	SEOB3093	9859	SEOB3156	9915	SEOB3226	9971	SEOB3302	10027	SEOB3370
9804	SEOB3095	9860	SEOB3157	9916	SEOB3227	9972	SEOB3303	10028	SEOB3371
9805	SEOB3096	9861	SEOB3158	9917	SEOB3228	9973	SEOB3304	10029	SEOB3374
9806	SEOB3097	9862	SEOB3162	9918	SEOB3229	9974	SEOB3305	10030	SEOB3376
9807	SEOB3098	9863	SEOB3163	9919	SEOB3230	9975	SEOB3307	10031	SEOB3377
9808	SEOB3099	9864	SEOB3164	9920	SEOB3231	9976	SEOB3308	10032	SEOB3378
9809	SEOB3100	9865	SEOB3165	9921	SEOB3233	9977	SEOB3309	10033	SEOB3379
9810	SEOB3101	9866	SEOB3166	9922	SEOB3234	9978	SEOB3310	10034	SEOB3380
9811	SEOB3102	9867	SEOB3168	9923	SEOB3235	9979	SEOB3312	10035	SEOB3381
9812	SEOB3103	9868	SEOB3169	9924	SEOB3236	9980	SEOB3313	10036	SEOB3382
9813	SEOB3104	9869	SEOB3170	9925	SEOB3237	9981	SEOB3314	10037	SEOB3383
9814	SEOB3105	9870	SEOB3171	9926	SEOB3238	9982	SEOB3315	10038	SEOB3384
9815	SEOB3106	9871	SEOB3172	9927	SEOB3239	9983	SEOB3316	10039	SEOB3385
9816	SEOB3107	9872	SEOB3174	9928	SEOB3240	9984	SEOB3317	10040	SEOB3386
9817	SEOB3108	9873	SEOB3175	9929	SEOB3241	9985	SEOB3318	10041	seob3387n
9818	SEOB3109	9874	SEOB3176	9930	SEOB3243	9986	SEOB3319	10042	SEOB3388
9819	SEOB3110	9875	SEOB3177	9931	SEOB3244	9987	SEOB3320	10043	SEOB3389
9820	SEOB3111	9876	SEOB3178	9932	SEOB3245	9988	SEOB3321	10044	SEOB3390
9821	SEOB3112	9877	SEOB3179	9933	SEOB3247	9989	SEOB3322	10045	SEOB3392
9822	SEOB3113	9878	SEOB3180	9934	SEOB3248	9990	SEOB3323	10046	SEOB3393
9823	SEOB3114	9879	SEOB3181	9935	SEOB3249	9991	SEOB3325	10047	SEOB3394
9824	SEOB3115	9880	SEOB3182	9936	SEOB3252	9992	SEOB3326	10048	SEOB3395
9825	SEOB3116	9881	SEOB3183	9937	SEOB3253	9993	SEOB3327	10049	SEOB3397
9826	SEOB3117	9882	SEOB3184	9938	SEOB3254	9994	SEOB3328	10050	SEOB3398
9827	SEOB3118	9883	seob3185	9939	SEOB3255	9995	SEOB3329	10051	SEOB3399
9828	SEOB3119	9884	SEOB3186	9940	SEOB3256	9996	SEOB3330	10052	SEOB3400
9829	SEOB3120	9885	SEOB3187	9941	SEOB3257	9997	SEOB3331	10053	SEOB3401
9830	SEOB3121	9886	SEOB3189	9942	SEOB3258	9998	SEOB3332	10054	SEOB3402
9831	SEOB3122	9887	SEOB3190	9943	seob3259n	9999	SEOB3333	10055	SEOB3403
9832	SEOB3123	9888	SEOB3191	9944	SEOB3260	10000	SEOB3336	10056	SEOB3404
9833	SEOB3127	9889	SEOB3192	9945	SEOB3261	10001	SEOB3337	10057	SEOB3405
9834	SEOB3128	9890	SEOB3193	9946	SEOB3262	10002	SEOB3338	10058	SEOB3407
9835	seob3129n	9891	SEOB3194	9947	SEOB3263	10003	SEOB3341	10059	SEOB3408
9836	SEOB3130	9892	SEOB3195	9948	seob3264	10004	SEOB3343	10060	SEOB3409
9837	SEOB3131	9893	SEOB3196	9949	SEOB3265	10005	SEOB3344	10061	SEOB3411
9838	SEOB3133	9894	SEOB3197	9950	seob3266	10006	SEOB3346	10062	SEOB3413
9839	SEOB3134	9895	SEOB3201	9951	seob3267n	10007	SEOB3347	10063	SEOB3414
9840	SEOB3135	9896	SEOB3203	9952	seob3268	10008	SEOB3348	10064	SEOB3415
9841	SEOB3136	9897	SEOB3204	9953	seob3269	10009	SEOB3349	10065	SEOB3416
9842	SEOB3137	9898	SEOB3206	9954	SEOB3270	10010	SEOB3350	10066	SEOB3417
9843	SEOB3138	9899	SEOB3207	9955	seob3271	10011	SEOB3351	10067	SEOB3418
9844	SEOB3139	9900	SEOB3209	9956	seob3272	10012	SEOB3354	10068	SEOB3419
9845	SEOB3140	9901	SEOB3210	9957	SEOB3273	10013	SEOB3355	10069	SEOB3420
9846	SEOB3141	9902	SEOB3211	9958	SEOB3275	10014	SEOB3356	10070	SEOB3421
9847	SEOB3142	9903	SEOB3212	9959	SEOB3277	10015	SEOB3357	10071	SEOB3422
9848	SEOB3143	9904	SEOB3213	9960	SEOB3278	10016	SEOB3358	10072	SEOB3423
9849	SEOB3144	9905	SEOB3214	9961	seob3279n	10017	SEOB3359	10073	SEOB3424
9850	SEOB3145	9906	SEOB3215	9962	SEOB3281	10018	SEOB3360	10074	SEOB3425
9851	SEOB3148	9907	SEOB3216	9963	SEOB3291	10019	SEOB3361	10075	SEOB3426
9852	SEOB3149	9908	SEOB3217	9964	SEOB3294	10020	SEOB3362	10076	SEOB3427
9853	SEOB3150	9909	SEOB3218	9965	SEOB3295	10021	SEOB3364	10077	SEOB3428
9854	SEOB3151	9910	SEOB3219	9966	SEOB3296	10022	SEOB3365	10078	SEOB3429
9855	SEOB3152	9911	SEOB3220	9967	SEOB3297	10023	SEOB3366	10079	SEOB3430
9856	SEOB3153	9912	SEOB3221	9968	SEOB3299	10024	SEOB3367	10080	SEOB3431

Figure 6E - Continued

10081	SEOB3432	10137	SEOB3499	10193	SEOB3565	10249	seob3670	10305	seob3738
10082	SEOB3435	10138	SEOB3500	10194	SEOB3566	10250	seob3671	10306	seob3739
10083	SEOB3436	10139	SEOB3501	10195	SEOB3568	10251	seob3672	10307	seob3740
10084	SEOB3437	10140	SEOB3502	10196	SEOB3569	10252	seob3673	10308	seob3741
10085	SEOB3440	10141	SEOB3503	10197	SEOB3570	10253	seob3674	10309	seob3743
10086	SEOB3441	10142	SEOB3504	10198	SEOB3571	10254	seob3675	10310	seob3744
10087	SEOB3443	10143	SEOB3506	10199	SEOB3573	10255	seob3676	10311	seob3747
10088	SEOB3444	10144	SEOB3507	10200	SEOB3574	10256	seob3677	10312	seob3748
10089	SEOB3446	10145	SEOB3508	10201	SEOB3575	10257	seob3678	10313	seob3749
10090	SEOB3447	10146	SEOB3509	10202	SEOB3576	10258	seob3679	10314	seob3750
10091	SEOB3448	10147	SEOB3510	10203	SEOB3577	10259	seob3680	10315	seob3751
10092	SEOB3450	10148	SEOB3511	10204	SEOB3578	10260	seob3681	10316	seob3753
10093	SEOB3451	10149	SEOB3512	10205	SEOB3580	10261	seob3682	10317	seob3754
10094	SEOB3452	10150	SEOB3513	10206	SEOB3581	10262	seob3683	10318	seob3755
10095	SEOB3453	10151	SEOB3514	10207	SEOB3582	10263	seob3684	10319	seob3756
10096	SEOB3454	10152	SEOB3517	10208	SEOB3584	10264	seob3685	10320	seob3757
10097	SEOB3455	10153	SEOB3518	10209	SEOB3585	10265	seob3686	10321	seob3834
10098	SEOB3456	10154	SEOB3519	10210	SEOB3587	10266	seob3688	10322	seob3836
10099	SEOB3457	10155	SEOB3520	10211	SEOB3588	10267	seob3689	10323	seob3837
10100	SEOB3458	10156	SEOB3521	10212	SEOB3589	10268	seob3690	10324	seob3838
10101	SEOB3459	10157	SEOB3522	10213	SEOB3590	10269	seob3692	10325	seob3840
10102	SEOB3460	10158	SEOB3523	10214	SEOB3591	10270	seob3694	10326	seob3841
10103	SEOB3461	10159	SEOB3524	10215	SEOB3593	10271	seob3695	10327	seob3842
10104	SEOB3462	10160	SEOB3525	10216	SEOB3594	10272	seob3696	10328	seob3843
10105	SEOB3463	10161	SEOB3526	10217	SEOB3595	10273	seob3697	10329	seob3844
10106	SEOB3464	10162	SEOB3528	10218	SEOB3596	10274	seob3698	10330	seob3845
10107	SEOB3465	10163	SEOB3530	10219	SEOB3597	10275	seob3699	10331	seob3847
10108	SEOB3466	10164	SEOB3531	10220	SEOB3599	10276	seob3700	10332	seob3852
10109	SEOB3467	10165	SEOB3532	10221	seob3601	10277	seob3701	10333	seob3854
10110	SEOB3468	10166	SEOB3533	10222	seob3602	10278	seob3702	10334	seob3855
10111	SEOB3469	10167	SEOB3534	10223	seob3603	10279	seob3703	10335	seob3856
10112	SEOB3470	10168	SEOB3535	10224	seob3642	10280	seob3704	10336	seob3857
10113	SEOB3471	10169	SEOB3537	10225	seob3643n	10281	seob3705	10337	seob3858
10114	SEOB3474	10170	SEOB3538	10226	seob3644	10282	seob3707	10338	seob3859
10115	SEOB3475	10171	seob3539n	10227	seob3645	10283	seob3709	10339	seob3860
10116	SEOB3476	10172	SEOB3540	10228	seob3646	10284	seob3710	10340	seob3861
10117	SEOB3477	10173	SEOB3541	10229	seob3647	10285	seob3711	10341	seob3862
10118	SEOB3478	10174	SEOB3542	10230	seob3648	10286	seob3712	10342	seob3865
10119	SEOB3479	10175	SEOB3545	10231	seob3649	10287	seob3713	10343	seob3866
10120	SEOB3480	10176	SEOB3546	10232	seob3650	10288	seob3714	10344	seob3867
10121	seob3481	10177	SEOB3547	10233	seob3653	10289	seob3715	10345	seob3868
10122	SEOB3483	10178	SEOB3548	10234	seob3654	10290	seob3716	10346	seob3869
10123	SEOB3485	10179	SEOB3549	10235	seob3655	10291	seob3717	10347	seob3870
10124	SEOB3486	10180	SEOB3550	10236	seob3657	10292	seob3718	10348	seob3872
10125	SEOB3487	10181	SEOB3551	10237	seob3658	10293	seob3719	10349	seob3873
10126	SEOB3488	10182	SEOB3553	10238	seob3659	10294	seob3720	10350	seob3875
10127	SEOB3489	10183	SEOB3554	10239	seob3660	10295	seob3722	10351	seob3876
10128	SEOB3490	10184	SEOB3555	10240	seob3661	10296	seob3723	10352	seob3877
10129	SEOB3491	10185	SEOB3556	10241	seob3662	10297	seob3725	10353	seob3878
10130	SEOB3492	10186	SEOB3558	10242	seob3663	10298	seob3726	10354	seob3879
10131	SEOB3493	10187	SEOB3559	10243	seob3664	10299	seob3727	10355	seob3881
10132	seob3494n	10188	SEOB3560	10244	seob3665	10300	seob3729	10356	seob3882
10133	SEOB3495	10189	SEOB3561	10245	seob3666	10301	seob3730	10357	seob3883
10134	SEOB3496	10190	SEOB3562	10246	seob3667	10302	seob3731	10358	seob3884
10135	SEOB3497	10191	SEOB3563	10247	seob3668	10303	seob3732	10359	seob3885
10136	SEOB3498	10192	SEOB3564	10248	seob3669	10304	seob3734	10360	seob3886

Figure 6E - Continued

10361	seob3887	10417	seob3955	10473	seob4023	10529	seob4089	10585	seob4150
10362	seob3888	10418	seob3956	10474	seob4026	10530	seob4090	10586	seob4152
10363	seob3889	10419	seob3958	10475	seob4028	10531	seob4091	10587	seob4153
10364	seob3890	10420	seob3960	10476	seob4029	10532	seob4092	10588	seob4154
10365	seob3891	10421	seob3961	10477	seob4030	10533	seob4093	10589	seob4155
10366	seob3892	10422	seob3962	10478	seob4032	10534	seob4094	10590	seob4156
10367	seob3893	10423	seob3963	10479	seob4033	10535	seob4095	10591	seob4157
10368	seob3894	10424	seob3964	10480	seob4034	10536	seob4096	10592	seob4158
10369	seob3896	10425	seob3965	10481	seob4035	10537	seob4097	10593	seob4160
10370	seob3897	10426	seob3966	10482	seob4036	10538	seob4098	10594	seob4161
10371	seob3898	10427	seob3969	10483	seob4037	10539	seob4099	10595	seob4162
10372	seob3899	10428	seob3970	10484	seob4038	10540	seob4100	10596	seob4163
10373	seob3901	10429	seob3972	10485	seob4039	10541	seob4101	10597	seob4164
10374	seob3902	10430	seob3973	10486	seob4040	10542	seob4102	10598	seob4165
10375	seob3903	10431	seob3975	10487	seob4041	10543	seob4103	10599	seob4166
10376	seob3904	10432	seob3976	10488	seob4042	10544	seob4104	10600	seob4167
10377	seob3905	10433	seob3977	10489	seob4044	10545	seob4105	10601	seob4168
10378	seob3908	10434	seob3978	10490	seob4045	10546	seob4107	10602	seob4169
10379	seob3910	10435	seob3979	10491	seob4047	10547	seob4108	10603	seob4170
10380	seob3911	10436	seob3980	10492	seob4049	10548	seob4109	10604	seob4171
10381	seob3912	10437	seob3982	10493	seob4050	10549	seob4110	10605	seob4172
10382	seob3913	10438	seob3983	10494	seob4051	10550	seob4112	10606	seob4173
10383	seob3914	10439	seob3984	10495	seob4053	10551	seob4113	10607	seob4174
10384	seob3915	10440	seob3985	10496	seob4054	10552	seob4114	10608	seob4175
10385	seob3916	10441	seob3986	10497	seob4056	10553	seob4115	10609	seob4176
10386	seob3917	10442	seob3987	10498	seob4057	10554	seob4116	10610	seob4177
10387	seob3918	10443	seob3989	10499	seob4058	10555	seob4117	10611	seob4178
10388	seob3919	10444	seob3990	10500	seob4059	10556	seob4118	10612	seob4179
10389	seob3920	10445	seob3991	10501	seob4060	10557	seob4119	10613	seob4182
10390	seob3921	10446	seob3992	10502	seob4061	10558	seob4120	10614	seob4183
10391	seob3922	10447	seob3994	10503	seob4062	10559	seob4121	10615	seob4184
10392	seob3923	10448	seob3995	10504	seob4063	10560	seob4122	10616	seob4185
10393	seob3924	10449	seob3996	10505	seob4064	10561	seob4125	10617	seob4187
10394	seob3925	10450	seob3997	10506	seob4065	10562	seob4126	10618	seob4188
10395	seob3926	10451	seob3998	10507	seob4066	10563	seob4127	10619	seob4189
10396	seob3927	10452	seob3999	10508	seob4067	10564	seob4128	10620	seob4190
10397	seob3929	10453	seob4000	10509	seob4068	10565	seob4129	10621	seob4191
10398	seob3930	10454	seob4001	10510	seob4069	10566	seob4130	10622	seob4192
10399	seob3933	10455	seob4002	10511	seob4070	10567	seob4131	10623	seob4195
10400	seob3935	10456	seob4003	10512	seob4071	10568	seob4132	10624	seob4196
10401	seob3936	10457	seob4004	10513	seob4073	10569	seob4133	10625	seob4197
10402	seob3937	10458	seob4005	10514	seob4074	10570	seob4134	10626	seob4198
10403	seob3938	10459	seob4006	10515	seob4075	10571	seob4135	10627	seob4199
10404	seob3940	10460	seob4008	10516	seob4076	10572	seob4136	10628	seob4200
10405	seob3941	10461	seob4009	10517	seob4077	10573	seob4137	10629	seob4201
10406	seob3942	10462	seob4010	10518	seob4078	10574	seob4138	10630	seob4202
10407	seob3943	10463	seob4011	10519	seob4079	10575	seob4139	10631	seob4203
10408	seob3944	10464	seob4012	10520	seob4080	10576	seob4140	10632	seob4204
10409	seob3945	10465	seob4013	10521	seob4081	10577	seob4141	10633	seob4205
10410	seob3946	10466	seob4014	10522	seob4082	10578	seob4143	10634	seob4206
10411	seob3947	10467	seob4017	10523	seob4083	10579	seob4144	10635	seob4207
10412	seob3948	10468	seob4018	10524	seob4084	10580	seob4145	10636	seob4208
10413	seob3949	10469	seob4019	10525	seob4085	10581	seob4146	10637	seob4209
10414	seob3951	10470	seob4020	10526	seob4086	10582	seob4147	10638	seob4210
10415	seob3952	10471	seob4021	10527	seob4087	10583	seob4148	10639	seob4211
10416	seob3953	10472	seob4022	10528	seob4088	10584	seob4149	10640	seob4212

Figure 6E – Continued

10641	seob4213	10697	seob4281	10753	seob4360	10809	seob4443	10865	seob4505
10642	seob4214	10698	seob4282	10754	seob4362	10810	seob4444	10866	seob4506
10643	seob4215	10699	seob4283	10755	seob4363	10811	seob4445	10867	seob4508
10644	seob4216	10700	seob4284	10756	seob4366	10812	seob4446	10868	seob4515
10645	seob4217	10701	seob4285	10757	seob4368	10813	seob4447	10869	seob4516
10646	seob4218	10702	seob4286	10758	seob4369	10814	seob4448	10870	seob4517
10647	seob4219	10703	seob4287	10759	seob4370	10815	seob4450	10871	seob4518
10648	seob4220	10704	seob4288	10760	seob4372	10816	seob4451	10872	seob4522
10649	seob4223	10705	seob4290	10761	seob4374	10817	seob4452	10873	seob4523
10650	seob4224	10706	seob4291	10762	seob4375	10818	seob4453	10874	seob4524
10651	seob4225	10707	seob4292	10763	seob4377	10819	seob4454	10875	seob4525
10652	seob4226	10708	seob4293	10764	seob4378	10820	seob4455	10876	seob4526
10653	seob4228	10709	seob4294	10765	seob4379	10821	seob4456	10877	seob4527
10654	seob4229	10710	seob4295	10766	seob4380	10822	seob4457	10878	seob4528
10655	seob4230	10711	seob4296	10767	seob4381	10823	seob4458	10879	seob4529
10656	seob4231	10712	seob4297	10768	seob4382	10824	seob4459	10880	seob4530
10657	seob4232	10713	seob4298	10769	seob4383	10825	seob4460	10881	seob4531
10658	seob4233	10714	seob4301n	10770	seob4384	10826	seob4461	10882	seob4532
10659	seob4234	10715	seob4302	10771	seob4385n	10827	seob4462	10883	seob4534
10660	seob4235	10716	seob4303	10772	seob4389	10828	seob4463	10884	seob4536
10661	seob4237	10717	seob4304	10773	seob4390	10829	seob4465	10885	seob4537
10662	seob4240	10718	seob4305	10774	seob4393	10830	seob4466	10886	seob4538
10663	seob4241	10719	seob4306	10775	seob4394	10831	seob4467	10887	seob4539
10664	seob4242	10720	seob4308	10776	seob4400	10832	seob4468	10888	seob4540
10665	seob4243	10721	seob4309	10777	seob4401	10833	seob4469	10889	seob4541
10666	seob4244	10722	seob4311	10778	seob4404	10834	seob4470	10890	seob4542
10667	seob4246	10723	seob4312	10779	seob4409	10835	seob4471	10891	seob4543
10668	seob4247	10724	seob4313	10780	seob4410	10836	seob4472	10892	seob4545
10669	seob4248	10725	seob4314	10781	seob4411	10837	seob4474	10893	seob4553
10670	seob4249	10726	seob4317	10782	seob4412	10838	seob4475	10894	seob4555
10671	seob4251	10727	seob4321	10783	seob4413	10839	seob4476	10895	seob4557
10672	seob4252	10728	seob4322	10784	seob4414	10840	seob4477	10896	seob4560
10673	seob4254	10729	seob4325	10785	seob4415	10841	seob4479	10897	seob4561
10674	seob4255	10730	seob4326	10786	seob4416	10842	seob4480	10898	seob4562
10675	seob4256	10731	seob4327	10787	seob4417	10843	seob4481	10899	seob4563
10676	seob4258	10732	seob4331	10788	seob4418	10844	seob4482	10900	seob4564
10677	seob4259	10733	seob4332	10789	seob4419	10845	seob4483	10901	seob4565
10678	seob4260	10734	seob4333	10790	seob4420	10846	seob4484	10902	seob4566
10679	seob4261n	10735	seob4335	10791	seob4421	10847	seob4485	10903	seob4567
10680	seob4262	10736	seob4337	10792	seob4422	10848	seob4486	10904	seob4568
10681	seob4263	10737	seob4338	10793	seob4423	10849	seob4487	10905	seob4569
10682	seob4264	10738	seob4339	10794	seob4424	10850	seob4488	10906	seob4570
10683	seob4265	10739	seob4340	10795	seob4425	10851	seob4489	10907	seob4571
10684	seob4266	10740	seob4341	10796	seob4426	10852	seob4490	10908	seob4573
10685	seob4267	10741	seob4342	10797	seob4427	10853	seob4491	10909	seob4574
10686	seob4268	10742	seob4345	10798	seob4429	10854	seob4492	10910	seob4575
10687	seob4269	10743	seob4346	10799	seob4430	10855	seob4493	10911	seob4576
10688	seob4270	10744	seob4349	10800	seob4431	10856	seob4494	10912	seob4577
10689	seob4271	10745	seob4351	10801	seob4433	10857	seob4495	10913	seob4578
10690	seob4272	10746	seob4352	10802	seob4434	10858	seob4497	10914	seob4579
10691	seob4273	10747	seob4353	10803	seob4435	10859	seob4498	10915	seob4580
10692	seob4274	10748	seob4355	10804	seob4438	10860	seob4499	10916	seob4581
10693	seob4276	10749	seob4356	10805	seob4439	10861	seob4500	10917	seob4582
10694	seob4277	10750	seob4357	10806	seob4440	10862	seob4502	10918	seob4583
10695	seob4278	10751	seob4358	10807	seob4441	10863	seob4503	10919	seob4584
10696	seob4280	10752	seob4359	10808	seob4442	10864	seob4504	10920	seob4585

Figure 6E - Continued

10921	seob4586	10977	seob4650	11033	seob4718	11089	seob4777	11145	seob4843
10922	seob4587	10978	seob4651	11034	seob4719	11090	seob4778	11146	seob4844
10923	seob4589	10979	seob4652	11035	seob4720	11091	seob4779	11147	seob4845
10924	seob4590	10980	seob4653	11036	seob4721	11092	seob4780	11148	seob4846
10925	seob4591	10981	seob4654	11037	seob4722	11093	seob4781	11149	seob4847
10926	seob4592	10982	seob4655	11038	seob4723	11094	seob4782	11150	seob4848
10927	seob4593	10983	seob4656	11039	seob4724	11095	seob4783	11151	seob4849
10928	seob4594	10984	seob4657	11040	seob4725	11096	seob4784	11152	seob4850
10929	seob4595	10985	seob4658	11041	seob4726	11097	seob4785	11153	seob4851
10930	seob4596	10986	seob4659	11042	seob4728	11098	seob4786	11154	seob4852
10931	seob4598	10987	seob4660	11043	seob4730	11099	seob4787	11155	seob4853
10932	seob4599	10988	seob4661	11044	seob4731	11100	seob4790	11156	seob4854
10933	seob4600	10989	seob4662	11045	seob4732	11101	seob4791	11157	seob4855
10934	seob4601	10990	seob4663	11046	seob4733	11102	seob4793	11158	seob4857
10935	seob4602	10991	seob4664	11047	seob4734	11103	seob4794	11159	seob4858
10936	seob4603	10992	seob4665	11048	seob4735	11104	seob4795	11160	seob4859
10937	seob4604	10993	seob4666	11049	seob4736	11105	seob4796	11161	seob4860
10938	seob4605	10994	seob4667	11050	seob4737	11106	seob4797	11162	seob4861
10939	seob4606	10995	seob4668	11051	seob4738	11107	seob4798	11163	seob4863
10940	seob4607	10996	seob4669	11052	seob4739	11108	seob4799	11164	seob4864
10941	seob4608	10997	seob4670	11053	seob4740	11109	seob4801	11165	seob4865
10942	seob4609	10998	seob4671	11054	seob4741	11110	seob4802	11166	seob4866
10943	seob4611	10999	seob4672	11055	seob4742	11111	seob4804	11167	seob4867
10944	seob4612	11000	seob4673	11056	seob4743	11112	seob4805	11168	seob4868
10945	seob4613	11001	seob4675	11057	seob4744	11113	seob4807	11169	seob4869
10946	seob4614	11002	seob4676	11058	seob4745	11114	seob4808	11170	seob4870
10947	seob4615	11003	seob4677	11059	seob4746	11115	seob4809	11171	seob4871
10948	seob4616	11004	seob4679	11060	seob4747	11116	seob4810	11172	seob4872
10949	seob4617	11005	seob4680	11061	seob4748	11117	seob4811	11173	seob4873
10950	seob4618	11006	seob4681	11062	seob4749	11118	seob4812	11174	seob4874
10951	seob4619	11007	seob4685	11063	seob4750	11119	seob4813	11175	seob4875
10952	seob4621	11008	seob4686	11064	seob4751	11120	seob4814	11176	seob4877
10953	seob4622	11009	seob4689	11065	seob4752	11121	seob4815	11177	seob4878
10954	seob4623	11010	seob4690	11066	seob4753	11122	seob4816	11178	seob4880
10955	seob4624	11011	seob4691	11067	seob4754	11123	seob4817	11179	seob4881
10956	seob4625	11012	seob4692	11068	seob4755	11124	seob4818	11180	seob4882
10957	seob4626	11013	seob4693	11069	seob4756	11125	seob4819	11181	seob4883
10958	seob4627	11014	seob4694	11070	seob4757	11126	seob4820	11182	seob4884
10959	seob4628	11015	seob4695	11071	seob4758	11127	seob4821	11183	seob4885
10960	seob4629	11016	seob4696	11072	seob4759	11128	seob4822	11184	seob4887
10961	seob4630	11017	seob4697	11073	seob4760	11129	seob4824	11185	seob4888
10962	seob4632	11018	seob4698	11074	seob4761	11130	seob4825	11186	seob4889
10963	seob4634	11019	seob4700	11075	seob4762	11131	seob4826	11187	seob4891
10964	seob4635	11020	seob4701	11076	seob4763	11132	seob4827	11188	seob4892
10965	seob4636	11021	seob4702	11077	seob4764	11133	seob4828	11189	seob4893
10966	seob4638	11022	seob4704	11078	seob4765	11134	seob4829	11190	seob4894
10967	seob4639	11023	seob4705	11079	seob4766	11135	seob4831	11191	seob4896
10968	seob4640	11024	seob4706	11080	seob4767	11136	seob4832	11192	seob4897
10969	seob4641	11025	seob4707	11081	seob4768	11137	seob4833	11193	seob4898
10970	seob4642	11026	seob4708	11082	seob4769	11138	seob4835	11194	seob4899
10971	seob4643	11027	seob4709	11083	seob4770	11139	seob4836	11195	seob4900
10972	seob4644	11028	seob4712	11084	seob4771	11140	seob4837	11196	seob4902
10973	seob4645	11029	seob4713	11085	seob4772	11141	seob4838	11197	seob4903
10974	seob4646	11030	seob4714	11086	seob4773	11142	seob4839	11198	seob4904
10975	seob4647	11031	seob4715	11087	seob4774	11143	seob4840	11199	seob4906
10976	seob4648	11032	seob4716	11088	seob4775	11144	seob4841	11200	seob4907

Figure 6E - Continued

11201	seob4910	11257	seob4992	11313	seob5058	11369	seob5126	11425	seob5203
11202	seob4911	11258	seob4993	11314	seob5059	11370	seob5128	11426	seob5204
11203	seob4912	11259	seob4994	11315	seob5060	11371	seob5130	11427	seob5205
11204	seob4913	11260	seob4995	11316	seob5063	11372	seob5131	11428	seob5206
11205	seob4915	11261	seob4996	11317	seob5064	11373	seob5132	11429	seob5208
11206	seob4916	11262	seob4997	11318	seob5065	11374	seob5135	11430	seob5209
11207	seob4917	11263	seob4999	11319	seob5066	11375	seob5136	11431	seob5210
11208	seob4918	11264	seob5000	11320	seob5067	11376	seob5137	11432	seob5211
11209	seob4919	11265	seob5001	11321	seob5068	11377	seob5138	11433	seob5212
11210	seob4920	11266	seob5002	11322	seob5069	11378	seob5140	11434	seob5213
11211	seob4921	11267	seob5003	11323	seob5070	11379	seob5142	11435	seob5214
11212	seob4922	11268	seob5004	11324	seob5071	11380	seob5143	11436	seob5216
11213	seob4923	11269	seob5006	11325	seob5073	11381	seob5144	11437	seob5217
11214	seob4925	11270	seob5007	11326	seob5075	11382	seob5146	11438	seob5218
11215	seob4926	11271	seob5009	11327	seob5076	11383	seob5147	11439	seob5219
11216	seob4927	11272	seob5010	11328	seob5077	11384	seob5150	11440	seob5220
11217	seob4928	11273	seob5011	11329	seob5078	11385	seob5152	11441	seob5221
11218	seob4929	11274	seob5012	11330	seob5079	11386	seob5153	11442	seob5222
11219	seob4930	11275	seob5013	11331	seob5080	11387	seob5154	11443	seob5223
11220	seob4931	11276	seob5014	11332	seob5081	11388	seob5155	11444	seob5224
11221	seob4932	11277	seob5016	11333	seob5082	11389	seob5157	11445	seob5225
11222	seob4933	11278	seob5018	11334	seob5084	11390	seob5158	11446	seob5227
11223	seob4934	11279	seob5019	11335	seob5085	11391	seob5159	11447	seob5228
11224	seob4936	11280	seob5021	11336	seob5086	11392	seob5161	11448	seob5229
11225	seob4937	11281	seob5022	11337	seob5087	11393	seob5162	11449	seob5230
11226	seob4938	11282	seob5023	11338	seob5088	11394	seob5163	11450	seob5231
11227	seob4939	11283	seob5024	11339	seob5089	11395	seob5164	11451	seob5232
11228	seob4941	11284	seob5025	11340	seob5090	11396	seob5165	11452	seob5233
11229	seob4944	11285	seob5026	11341	seob5092	11397	seob5168	11453	seob5234
11230	seob4945	11286	seob5027	11342	seob5093	11398	seob5169	11454	seob5235
11231	seob4955	11287	seob5028	11343	seob5094	11399	seob5172	11455	seob5236
11232	seob4956	11288	seob5029	11344	seob5095	11400	seob5174	11456	seob5237
11233	seob4958	11289	seob5030	11345	seob5096	11401	seob5175	11457	seob5238
11234	seob4961	11290	seob5031	11346	seob5097	11402	seob5176	11458	seob5239
11235	seob4962	11291	seob5032	11347	seob5098	11403	seob5177	11459	seob5240
11236	seob4963	11292	seob5033	11348	seob5099	11404	seob5180	11460	seob5241
11237	seob4964	11293	seob5034	11349	seob5100	11405	seob5181	11461	seob5243
11238	seob4965	11294	seob5036	11350	seob5101	11406	seob5182	11462	seob5244
11239	seob4966	11295	seob5037	11351	seob5103	11407	seob5183	11463	seob5245
11240	seob4967	11296	seob5038	11352	seob5104	11408	seob5184	11464	seob5246
11241	seob4969	11297	seob5039	11353	seob5106	11409	seob5185	11465	seob5247
11242	seob4970	11298	seob5040	11354	seob5107	11410	seob5187	11466	seob5249
11243	seob4972	11299	seob5041	11355	seob5109	11411	seob5188	11467	seob5251
11244	seob4973	11300	seob5042	11356	seob5110	11412	seob5189	11468	seob5252
11245	seob4975	11301	seob5043	11357	seob5112	11413	seob5190	11469	seob5253
11246	seob4976	11302	seob5044	11358	seob5113	11414	seob5191	11470	seob5254
11247	seob4977	11303	seob5045	11359	seob5114	11415	seob5192	11471	seob5255
11248	seob4978	11304	seob5046	11360	seob5115	11416	seob5193	11472	seob5256
11249	seob4979	11305	seob5048	11361	seob5116	11417	seob5194	11473	seob5257
11250	seob4981	11306	seob5049	11362	seob5117	11418	seob5195	11474	seob5258
11251	seob4982	11307	seob5052	11363	seob5118	11419	seob5196	11475	seob5259
11252	seob4983	11308	seob5053	11364	seob5120	11420	seob5197	11476	seob5260
11253	seob4985	11309	seob5054	11365	seob5121	11421	seob5198	11477	seob5261
11254	seob4986	11310	seob5055	11366	seob5122	11422	seob5199	11478	seob5262
11255	seob4987	11311	seob5056	11367	seob5123	11423	seob5201	11479	seob5263
11256	seob4990	11312	seob5057	11368	seob5124	11424	seob5202	11480	seob5266

Figure 6E – Continued

11481	seob5268	11537	seob5332	11593	seob5397	11649	seob5461	11705	seob5537
11482	seob5269	11538	seob5333	11594	seob5398	11650	seob5462	11706	seob5538
11483	seob5270	11539	seob5334	11595	seob5399	11651	seob5463	11707	seob5539
11484	seob5271	11540	seob5335	11596	seob5400	11652	seob5464	11708	seob5540
11485	seob5272	11541	seob5336	11597	seob5401	11653	seob5465	11709	seob5541
11486	seob5273	11542	seob5337	11598	seob5402	11654	seob5466	11710	seob5542
11487	seob5274	11543	seob5339	11599	seob5403	11655	seob5469	11711	seob5543
11488	seob5276	11544	seob5340	11600	seob5404	11656	seob5470	11712	seob5544
11489	seob5277	11545	seob5341	11601	seob5405	11657	seob5471	11713	seob5547
11490	seob5278	11546	seob5342	11602	seob5406	11658	seob5472	11714	seob5548
11491	seob5280	11547	seob5343	11603	seob5407	11659	seob5473	11715	seob5549
11492	seob5281	11548	seob5344	11604	seob5408	11660	seob5475	11716	seob5550
11493	seob5282	11549	seob5345	11605	seob5409	11661	seob5476	11717	seob5551
11494	seob5284	11550	seob5346	11606	seob5410	11662	seob5478	11718	seob5552
11495	seob5285	11551	seob5347	11607	seob5411	11663	seob5479	11719	seob5554
11496	seob5286	11552	seob5349	11608	seob5412	11664	seob5480	11720	seob5555
11497	seob5287	11553	seob5351	11609	seob5413	11665	seob5481	11721	seob5556
11498	seob5288	11554	seob5352	11610	seob5414	11666	seob5485	11722	seob5557
11499	seob5289	11555	seob5353	11611	seob5415	11667	seob5486	11723	seob5558
11500	seob5290	11556	seob5354	11612	seob5417	11668	seob5487	11724	seob5559
11501	seob5291	11557	seob5355	11613	seob5418	11669	seob5488	11725	seob5560
11502	seob5292	11558	seob5356	11614	seob5419	11670	seob5489	11726	seob5561
11503	seob5295	11559	seob5358	11615	seob5420	11671	seob5490	11727	seob5562
11504	seob5296	11560	seob5359	11616	seob5421	11672	seob5491	11728	seob5563
11505	seob5297	11561	seob5360	11617	seob5423	11673	seob5492	11729	seob5564
11506	seob5298	11562	seob5361	11618	seob5424	11674	seob5493	11730	seob5565
11507	seob5299	11563	seob5363	11619	seob5427	11675	seob5494	11731	seob5566
11508	seob5300	11564	seob5364	11620	seob5428	11676	seob5496	11732	seob5567
11509	seob5301	11565	seob5365	11621	seob5429	11677	seob5500	11733	seob5568
11510	seob5302	11566	seob5367	11622	seob5430	11678	seob5501	11734	seob5569
11511	seob5304	11567	seob5368	11623	seob5431	11679	seob5504	11735	seob5570
11512	seob5305	11568	seob5369	11624	seob5432	11680	seob5505	11736	seob5572
11513	seob5306	11569	seob5371	11625	seob5433	11681	seob5506	11737	seob5573
11514	seob5307	11570	seob5372	11626	seob5434	11682	seob5507	11738	seob5574
11515	seob5308	11571	seob5373	11627	seob5435	11683	seob5508	11739	seob5575
11516	seob5309	11572	seob5374	11628	seob5436	11684	seob5509	11740	seob5576
11517	seob5311	11573	seob5375	11629	seob5437	11685	seob5511	11741	seob5578
11518	seob5312	11574	seob5376	11630	seob5438	11686	seob5512	11742	seob5579
11519	seob5313	11575	seob5377	11631	seob5439	11687	seob5514	11743	seob5580
11520	seob5315	11576	seob5378	11632	seob5440	11688	seob5515	11744	seob5581
11521	seob5316	11577	seob5379	11633	seob5441	11689	seob5516	11745	seob5582
11522	seob5317	11578	seob5380	11634	seob5443	11690	seob5517	11746	seob5583
11523	seob5318	11579	seob5381	11635	seob5444	11691	seob5519	11747	seob5584
11524	seob5319	11580	seob5382	11636	seob5445	11692	seob5520	11748	seob5585
11525	seob5320	11581	seob5383	11637	seob5447	11693	seob5521	11749	seob5586
11526	seob5321	11582	seob5384	11638	seob5449	11694	seob5523	11750	seob5587
11527	seob5322	11583	seob5385	11639	seob5450	11695	seob5524	11751	seob5588
11528	seob5323	11584	seob5386	11640	seob5451	11696	seob5526	11752	seob5589
11529	seob5324	11585	seob5388	11641	seob5452	11697	seob5527	11753	seob5590
11530	seob5325	11586	seob5389	11642	seob5453	11698	seob5528	11754	seob5592
11531	seob5326	11587	seob5391	11643	seob5454	11699	seob5529	11755	seob5593
11532	seob5327	11588	seob5392	11644	seob5455	11700	seob5531	11756	seob5594
11533	seob5328	11589	seob5393	11645	seob5456	11701	seob5533	11757	seob5595
11534	seob5329	11590	seob5394	11646	seob5457	11702	seob5534	11758	seob5596
11535	seob5330	11591	seob5395	11647	seob5458	11703	seob5535	11759	seob5597
11536	seob5331	11592	seob5396	11648	seob5460	11704	seob5536	11760	seob5598



Figure 6E - Continued

11761	seob5600	11817	seob5662	11873	seob5736	11929	seob5797	11985	seob5862
11762	seob5601	11818	seob5663	11874	seob5738	11930	seob5798	11986	seob5863
11763	seob5602	11819	seob5664	11875	seob5739	11931	seob5800	11987	seob5864
11764	seob5603	11820	seob5665	11876	seob5740	11932	seob5801	11988	seob5865
11765	seob5604	11821	seob5666	11877	seob5741	11933	seob5802	11989	seob5866
11766	seob5605	11822	seob5668	11878	seob5742	11934	seob5803	11990	seob5867
11767	seob5606	11823	seob5669	11879	seob5743	11935	seob5806	11991	seob5869
11768	seob5607	11824	seob5670	11880	seob5744	11936	seob5807	11992	seob5871
11769	seob5608	11825	seob5671	11881	seob5745	11937	seob5809	11993	seob5872
11770	seob5609	11826	seob5673	11882	seob5746	11938	seob5811	11994	seob5873
11771	seob5610	11827	seob5676	11883	seob5747	11939	seob5812	11995	seob5876
11772	seob5611	11828	seob5678	11884	seob5748	11940	seob5813	11996	seob5877
11773	seob5612	11829	seob5679	11885	seob5749	11941	seob5814	11997	seob5878
11774	seob5613	11830	seob5680	11886	seob5750	11942	seob5815	11998	seob5879
11775	seob5614	11831	seob5682	11887	seob5751	11943	seob5816	11999	seob5880
11776	seob5615	11832	seob5683	11888	seob5752	11944	seob5817	12000	seob5881
11777	seob5616	11833	seob5684	11889	seob5753	11945	seob5818	12001	seob5882
11778	seob5618	11834	seob5685	11890	seob5754	11946	seob5819	12002	seob5884
11779	seob5619	11835	seob5686	11891	seob5755	11947	seob5820	12003	seob5885
11780	seob5620	11836	seob5688	11892	seob5756	11948	seob5821	12004	seob5886
11781	seob5621	11837	seob5689	11893	seob5757	11949	seob5822	12005	seob5887
11782	seob5622	11838	seob5690	11894	seob5758	11950	seob5823	12006	seob5888
11783	seob5623	11839	seob5691	11895	seob5759	11951	seob5825	12007	seob5889
11784	seob5624	11840	seob5692	11896	seob5760	11952	seob5826	12008	seob5890
11785	seob5626	11841	seob5693	11897	seob5761	11953	seob5827	12009	seob5891
11786	seob5627	11842	seob5695	11898	seob5762	11954	seob5828	12010	seob5892
11787	seob5629	11843	seob5696	11899	seob5763	11955	seob5829	12011	seob5893
11788	seob5630	11844	seob5700	11900	seob5764	11956	seob5830	12012	seob5894
11789	seob5631	11845	seob5701	11901	seob5765	11957	seob5831	12013	seob5895
11790	seob5632	11846	seob5702	11902	seob5766	11958	seob5832	12014	seob5896
11791	seob5633	11847	seob5703	11903	seob5767	11959	seob5834	12015	seob5897
11792	seob5634	11848	seob5705	11904	seob5769	11960	seob5835	12016	seob5899
11793	seob5635	11849	seob5706	11905	seob5770	11961	seob5836	12017	seob5900
11794	seob5636	11850	seob5707	11906	seob5771	11962	seob5837	12018	seob5902
11795	seob5638	11851	seob5708	11907	seob5772	11963	seob5838	12019	seob5903
11796	seob5639	11852	seob5709	11908	seob5773	11964	seob5840	12020	seob5904
11797	seob5640	11853	seob5710	11909	seob5774	11965	seob5841	12021	seob5905
11798	seob5641	11854	seob5711	11910	seob5776	11966	seob5842	12022	seob5906
11799	seob5642	11855	seob5714	11911	seob5777	11967	seob5843	12023	seob5908
11800	seob5643	11856	seob5715	11912	seob5778	11968	seob5844	12024	seob5909
11801	seob5644	11857	seob5716	11913	seob5779	11969	seob5845	12025	seob5910
11802	seob5645	11858	seob5717	11914	seob5780	11970	seob5846	12026	seob5911
11803	seob5646	11859	seob5718	11915	seob5781	11971	seob5847	12027	seob5914
11804	seob5647	11860	seob5720	11916	seob5782	11972	seob5848	12028	seob5915
11805	seob5648	11861	seob5721	11917	seob5784	11973	seob5849	12029	seob5917
11806	seob5649	11862	seob5723	11918	seob5785	11974	seob5850	12030	seob5919
11807	seob5650	11863	seob5724	11919	seob5786	11975	seob5851	12031	seob5921
11808	seob5651	11864	seob5725	11920	seob5787	11976	seob5852	12032	seob5922
11809	seob5652	11865	seob5726	11921	seob5788	11977	seob5853	12033	seob5924
11810	seob5653	11866	seob5727	11922	seob5789	11978	seob5855	12034	seob5925
11811	seob5656	11867	seob5728	11923	seob5790	11979	seob5856	12035	seob5926
11812	seob5657	11868	seob5730	11924	seob5791	11980	seob5857	12036	seob5927
11813	seob5658	11869	seob5731	11925	seob5792	11981	seob5858	12037	seob5929
11814	seob5659	11870	seob5733	11926	seob5793	11982	seob5859	12038	seob5930
11815	seob5660	11871	seob5734	11927	seob5794	11983	seob5860	12039	seob5931
11816	seob5661	11872	seob5735	11928	seob5796	11984	seob5861	12040	seob5932

Figure 6E – Continued

12041	seob5933	12097	seob5999	12153	seob6062	12209	seob6127	12265	seob6194
12042	seob5934	12098	seob6000	12154	seob6064	12210	seob6128	12266	seob6196
12043	seob5935	12099	seob6001	12155	seob6066	12211	seob6130	12267	seob6197
12044	seob5936	12100	seob6002	12156	seob6067	12212	seob6131	12268	seob6198
12045	seob5937	12101	seob6003	12157	seob6068	12213	seob6132	12269	seob6200
12046	seob5938	12102	seob6004	12158	seob6069	12214	seob6133	12270	seob6201
12047	seob5939	12103	seob6005	12159	seob6072	12215	seob6134	12271	seob6202
12048	seob5940	12104	seob6006	12160	seob6073	12216	seob6135	12272	seob6203
12049	seob5941	12105	seob6007	12161	seob6074	12217	seob6136	12273	seob6204
12050	seob5942	12106	seob6008	12162	seob6075	12218	seob6137	12274	seob6205
12051	seob5943	12107	seob6009	12163	seob6076	12219	seob6138	12275	seob6206
12052	seob5944	12108	seob6010	12164	seob6077	12220	seob6139	12276	seob6207
12053	seob5945	12109	seob6011	12165	seob6078	12221	seob6140	12277	seob6208
12054	seob5946	12110	seob6012	12166	seob6079	12222	seob6141	12278	seob6211
12055	seob5947	12111	seob6013	12167	seob6080	12223	seob6142	12279	seob6212
12056	seob5948	12112	seob6014	12168	seob6081	12224	seob6143	12280	seob6213
12057	seob5951	12113	seob6015	12169	seob6082	12225	seob6144	12281	seob6214
12058	seob5954	12114	seob6017	12170	seob6084	12226	seob6145	12282	seob6215
12059	seob5955	12115	seob6018	12171	seob6085	12227	seob6146	12283	seob6216
12060	seob5956	12116	seob6019	12172	seob6086	12228	seob6147	12284	seob6217
12061	seob5957	12117	seob6020	12173	seob6087	12229	seob6148	12285	seob6218
12062	seob5958	12118	seob6021	12174	seob6088	12230	seob6149	12286	seob6221
12063	seob5960	12119	seob6022	12175	seob6089	12231	seob6150	12287	seob6223
12064	seob5961	12120	seob6023	12176	seob6090	12232	seob6151	12288	seob6224
12065	seob5962	12121	seob6024	12177	seob6091	12233	seob6152	12289	seob6226
12066	seob5963	12122	seob6025	12178	seob6092	12234	seob6153	12290	seob6227
12067	seob5964	12123	seob6026	12179	seob6093	12235	seob6156	12291	seob6228
12068	seob5966	12124	seob6027	12180	seob6094	12236	seob6157	12292	seob6229
12069	seob5967	12125	seob6028	12181	seob6095	12237	seob6159	12293	seob6230
12070	seob5969	12126	seob6029	12182	seob6096	12238	seob6160	12294	seob6231
12071	seob5970	12127	seob6030	12183	seob6097	12239	seob6161	12295	seob6232
12072	seob5972	12128	seob6031	12184	seob6098	12240	seob6162	12296	seob6234
12073	seob5973	12129	seob6032	12185	seob6099	12241	seob6164	12297	seob6236
12074	seob5974	12130	seob6033	12186	seob6100	12242	seob6165	12298	seob6237
12075	seob5976	12131	seob6034	12187	seob6101	12243	seob6167	12299	seob6238
12076	seob5977	12132	seob6036	12188	seob6102	12244	seob6169	12300	seob6239
12077	seob5978	12133	seob6037	12189	seob6103	12245	seob6170	12301	seob6240
12078	seob5979	12134	seob6039	12190	seob6104	12246	seob6171	12302	seob6242
12079	seob5980	12135	seob6040	12191	seob6105	12247	seob6173	12303	seob6243
12080	seob5981	12136	seob6041	12192	seob6106	12248	seob6175	12304	seob6244
12081	seob5982	12137	seob6042	12193	seob6107	12249	seob6176	12305	seob6245
12082	seob5983	12138	seob6043	12194	seob6108	12250	seob6177	12306	seob6246
12083	seob5984	12139	seob6044	12195	seob6109	12251	seob6178	12307	seob6247
12084	seob5985	12140	seob6045	12196	seob6111	12252	seob6179	12308	seob6248
12085	seob5986	12141	seob6046	12197	seob6112	12253	seob6181	12309	seob6250
12086	seob5987	12142	seob6047	12198	seob6113	12254	seob6182	12310	seob6251
12087	seob5988	12143	seob6048	12199	seob6114	12255	seob6183	12311	seob6252
12088	seob5989	12144	seob6049	12200	seob6115	12256	seob6184	12312	seob6253
12089	seob5990	12145	seob6050	12201	seob6116	12257	seob6185	12313	seob6254
12090	seob5991	12146	seob6052	12202	seob6117	12258	seob6186	12314	seob6255
12091	seob5992	12147	seob6054	12203	seob6119	12259	seob6187	12315	seob6256
12092	seob5993	12148	seob6056	12204	seob6120	12260	seob6188	12316	seob6257
12093	seob5994	12149	seob6057	12205	seob6122	12261	seob6189	12317	seob6258
12094	seob5995	12150	seob6058	12206	seob6123	12262	seob6190	12318	seob6259
12095	seob5996	12151	seob6060	12207	seob6125	12263	seob6192	12319	seob6260
12096	seob5997	12152	seob6061	12208	seob6126	12264	seob6193	12320	seob6261

Figure 6E - Continued

12321	seob6262	12377	seob6328	12433	seob6402	12489	seob6473	12545	seob6545
12322	seob6264	12378	seob6329	12434	seob6403	12490	seob6474	12546	seob6546
12323	seob6265	12379	seob6330	12435	seob6405	12491	seob6479	12547	seob6547
12324	seob6266	12380	seob6333	12436	seob6407	12492	seob6480	12548	seob6548
12325	seob6268	12381	seob6334	12437	seob6408	12493	seob6481	12549	seob6549
12326	seob6270	12382	seob6335	12438	seob6409	12494	seob6482	12550	seob6550
12327	seob6271	12383	seob6336	12439	seob6410	12495	seob6483	12551	seob6552
12328	seob6272	12384	seob6337	12440	seob6411	12496	seob6484	12552	seob6553
12329	seob6273	12385	seob6338	12441	seob6412	12497	seob6486	12553	seob6554
12330	seob6275	12386	seob6339	12442	seob6413	12498	seob6489	12554	seob6555
12331	seob6277	12387	seob6342	12443	seob6414	12499	seob6490	12555	seob6556
12332	seob6278	12388	seob6343	12444	seob6415	12500	seob6491	12556	seob6557
12333	seob6279	12389	seob6344	12445	seob6416	12501	seob6492	12557	seob6558
12334	seob6280	12390	seob6345	12446	seob6417	12502	seob6494	12558	seob6559
12335	seob6281	12391	seob6346	12447	seob6418	12503	seob6495	12559	seob6560
12336	seob6282	12392	seob6348	12448	seob6419	12504	seob6499	12560	seob6562
12337	seob6283	12393	seob6349	12449	seob6422	12505	seob6500	12561	seob6563
12338	seob6284	12394	seob6350	12450	seob6424	12506	seob6501	12562	seob6564
12339	seob6285	12395	seob6351	12451	seob6425	12507	seob6502	12563	seob6565
12340	seob6287	12396	seob6352	12452	seob6426	12508	seob6503	12564	seob6566
12341	seob6288	12397	seob6353	12453	seob6427	12509	seob6504	12565	seob6567
12342	seob6289	12398	seob6354	12454	seob6428	12510	seob6505	12566	seob6568
12343	seob6290	12399	seob6355	12455	seob6429	12511	seob6506	12567	seob6569
12344	seob6291	12400	seob6357	12456	seob6431	12512	seob6507	12568	seob6570
12345	seob6292	12401	seob6358	12457	seob6432	12513	seob6508	12569	seob6571
12346	seob6293	12402	seob6360	12458	seob6433	12514	seob6510	12570	seob6572
12347	seob6294	12403	seob6361	12459	seob6434	12515	seob6511	12571	seob6573
12348	seob6295	12404	seob6363	12460	seob6435	12516	seob6512	12572	seob6574
12349	seob6296	12405	seob6364	12461	seob6436	12517	seob6513	12573	seob6575
12350	seob6297	12406	seob6368	12462	seob6437	12518	seob6514	12574	seob6576
12351	seob6298	12407	seob6370	12463	seob6438	12519	seob6515	12575	seob6577
12352	seob6299	12408	seob6371	12464	seob6439	12520	seob6516	12576	seob6579
12353	seob6301	12409	seob6372	12465	seob6440	12521	seob6517	12577	seob6580
12354	seob6302	12410	seob6373	12466	seob6441	12522	seob6519	12578	seob6581
12355	seob6303	12411	seob6374	12467	seob6444	12523	seob6520	12579	seob6582
12356	seob6305	12412	seob6376	12468	seob6446	12524	seob6521	12580	seob6583
12357	seob6306	12413	seob6377	12469	seob6448	12525	seob6522	12581	seob6584
12358	seob6307	12414	seob6378	12470	seob6449	12526	seob6524	12582	seob6585
12359	seob6308	12415	seob6379	12471	seob6450	12527	seob6525	12583	seob6586
12360	seob6309	12416	seob6380	12472	seob6451	12528	seob6526	12584	seob6587
12361	seob6310	12417	seob6381	12473	seob6453	12529	seob6527	12585	seob6588
12362	seob6311	12418	seob6382	12474	seob6454	12530	seob6528	12586	seob6589
12363	seob6312	12419	seob6383	12475	seob6455	12531	seob6530	12587	seob6590
12364	seob6313	12420	seob6384	12476	seob6456	12532	seob6532	12588	seob6591
12365	seob6314	12421	seob6386	12477	seob6457	12533	seob6533	12589	seob6592
12366	seob6315	12422	seob6387	12478	seob6458	12534	seob6534	12590	seob6593
12367	seob6316	12423	seob6389	12479	seob6460	12535	seob6535	12591	seob6595
12368	seob6318	12424	seob6390	12480	seob6462	12536	seob6536	12592	seob6596
12369	seob6319	12425	seob6391	12481	seob6463	12537	seob6537	12593	seob6597
12370	seob6320	12426	seob6393	12482	seob6464	12538	seob6538	12594	seob6598
12371	seob6321	12427	seob6395	12483	seob6465	12539	seob6539	12595	seob6599
12372	seob6322	12428	seob6396	12484	seob6467	12540	seob6540	12596	seob6600
12373	seob6323	12429	seob6397	12485	seob6469	12541	seob6541	12597	seob6601
12374	seob6324	12430	seob6398	12486	seob6470	12542	seob6542	12598	seob6602
12375	seob6325	12431	seob6399	12487	seob6471	12543	seob6543	12599	seob6603
12376	seob6327	12432	seob6401	12488	seob6472	12544	seob6544	12600	seob6605

Figure 6E - Continued

12601	seob6606	12657	seob6669	12713	seob6737	12769	seob6799	12825	seob6863
12602	seob6607	12658	seob6670	12714	seob6738	12770	seob6800	12826	seob6864
12603	seob6608	12659	seob6671	12715	seob6739	12771	seob6801	12827	seob6865
12604	seob6609	12660	seob6674	12716	seob6741	12772	seob6802	12828	seob6868
12605	seob6611	12661	seob6675	12717	seob6742	12773	seob6803	12829	seob6869
12606	seob6612	12662	seob6676	12718	seob6744	12774	seob6805	12830	seob6870
12607	seob6613	12663	seob6678	12719	seob6745	12775	seob6806	12831	seob6871
12608	seob6614	12664	seob6679	12720	seob6746	12776	seob6807	12832	seob6872
12609	seob6616	12665	seob6680	12721	seob6747	12777	seob6808	12833	seob6873
12610	seob6617	12666	seob6681	12722	seob6748	12778	seob6809	12834	seob6874
12611	seob6618	12667	seob6682	12723	seob6749	12779	seob6812	12835	seob6875
12612	seob6619	12668	seob6683	12724	seob6751	12780	seob6813	12836	seob6876
12613	seob6622	12669	seob6685	12725	seob6752	12781	seob6814	12837	seob6877
12614	seob6623	12670	seob6686	12726	seob6754	12782	seob6816	12838	seob6878
12615	seob6624	12671	seob6687	12727	seob6755	12783	seob6817	12839	seob6879
12616	seob6625	12672	seob6688	12728	seob6756	12784	seob6818	12840	seob6880
12617	seob6626	12673	seob6689	12729	seob6757	12785	seob6820	12841	seob6881
12618	seob6627	12674	seob6690	12730	seob6758	12786	seob6821	12842	seob6882
12619	seob6628	12675	seob6691	12731	seob6759	12787	seob6822	12843	seob6883
12620	seob6629	12676	seob6692	12732	seob6762	12788	seob6823	12844	seob6884
12621	seob6630	12677	seob6693	12733	seob6763	12789	seob6824	12845	seob6886
12622	seob6631	12678	seob6694	12734	seob6764	12790	seob6826	12846	seob6887
12623	seob6632	12679	seob6695	12735	seob6765	12791	seob6827	12847	seob6889
12624	seob6633	12680	seob6696	12736	seob6766	12792	seob6828	12848	seob6890
12625	seob6635	12681	seob6697	12737	seob6767	12793	seob6829	12849	seob6891
12626	seob6636	12682	seob6699	12738	seob6768	12794	seob6830	12850	seob6892
12627	seob6637	12683	seob6700	12739	seob6769	12795	seob6832	12851	seob6893
12628	seob6638	12684	seob6701	12740	seob6770	12796	seob6833	12852	seob6894
12629	seob6639	12685	seob6703	12741	seob6771	12797	seob6834	12853	seob6895
12630	seob6640	12686	seob6704	12742	seob6772	12798	seob6835	12854	seob6897
12631	seob6641	12687	seob6705	12743	seob6773	12799	seob6836	12855	seob6898
12632	seob6642	12688	seob6707	12744	seob6774	12800	seob6837	12856	seob6899
12633	seob6643	12689	seob6708	12745	seob6775	12801	seob6838	12857	seob6900
12634	seob6644	12690	seob6710	12746	seob6776	12802	seob6840	12858	seob6901
12635	seob6645	12691	seob6711	12747	seob6777	12803	seob6841	12859	seob6902
12636	seob6646	12692	seob6713	12748	seob6778	12804	seob6842	12860	seob6904
12637	seob6647	12693	seob6714	12749	seob6779	12805	seob6843	12861	seob6905
12638	seob6648	12694	seob6716	12750	seob6780	12806	seob6844	12862	seob7002
12639	seob6649	12695	seob6717	12751	seob6781	12807	seob6845	12863	seob7003
12640	seob6650	12696	seob6718	12752	seob6782	12808	seob6846	12864	seob7004
12641	seob6651	12697	seob6720	12753	seob6783	12809	seob6847	12865	seob7005
12642	seob6652	12698	seob6721	12754	seob6784	12810	seob6848	12866	seob7006
12643	seob6653	12699	seob6722	12755	seob6785	12811	seob6849	12867	seob7007
12644	seob6654	12700	seob6723	12756	seob6786	12812	seob6850	12868	seob7008
12645	seob6655	12701	seob6724	12757	seob6787	12813	seob6851	12869	seob7010
12646	seob6656	12702	seob6725	12758	seob6788	12814	seob6852	12870	seob7011
12647	seob6658	12703	seob6726	12759	seob6789	12815	seob6853	12871	seob7012
12648	seob6659	12704	seob6727	12760	seob6790	12816	seob6854	12872	seob7013
12649	seob6660	12705	seob6728	12761	seob6791	12817	seob6855	12873	seob7014
12650	seob6661	12706	seob6729	12762	seob6792	12818	seob6856	12874	seob7015
12651	seob6662	12707	seob6730	12763	seob6793	12819	seob6857	12875	seob7016
12652	seob6663	12708	seob6731	12764	seob6794	12820	seob6858	12876	seob7017
12653	seob6664	12709	seob6732	12765	seob6795	12821	seob6859	12877	seob7019
12654	seob6665	12710	seob6733	12766	seob6796	12822	seob6860	12878	seob7020
12655	seob6667	12711	seob6734	12767	seob6797	12823	seob6861	12879	seob7021
12656	seob6668	12712	seob6736	12768	seob6798	12824	seob6862	12880	seob7022

Figure 6E – Continued

12881	seob7023	12937	seob7088	12993	seob7162	13049	seob7239	13105	seob7314
12882	seob7024	12938	seob7089	12994	seob7163	13050	seob7240	13106	seob7315
12883	seob7025	12939	seob7091	12995	seob7164	13051	seob7241	13107	seob7317
12884	seob7026	12940	seob7093	12996	seob7165	13052	seob7243	13108	seob7318
12885	seob7027	12941	seob7094	12997	seob7166	13053	seob7244	13109	seob7320
12886	seob7028	12942	seob7095	12998	seob7167	13054	seob7245	13110	seob7321
12887	seob7030	12943	seob7096	12999	seob7169	13055	seob7246	13111	seob7322
12888	seob7031	12944	seob7097	13000	seob7171	13056	seob7247	13112	seob7324
12889	seob7032	12945	seob7098	13001	seob7172	13057	seob7248	13113	seob7326
12890	seob7033	12946	seob7099	13002	seob7173	13058	seob7249	13114	seob7327
12891	seob7035	12947	seob7100	13003	seob7175	13059	seob7250	13115	seob7328
12892	seob7036	12948	seob7101	13004	seob7176	13060	seob7251	13116	seob7329
12893	seob7037	12949	seob7102	13005	seob7177	13061	seob7252	13117	seob7330
12894	seob7038n	12950	seob7103n	13006	seob7179	13062	seob7253	13118	seob7331
12895	seob7039	12951	seob7104	13007	seob7180	13063	seob7254	13119	seob7332
12896	seob7040	12952	seob7105	13008	seob7182	13064	seob7255	13120	seob7333
12897	seob7041	12953	seob7107	13009	seob7184	13065	seob7256	13121	seob7334
12898	seob7042	12954	seob7108	13010	seob7185	13066	seob7257	13122	seob7335
12899	seob7043	12955	seob7110	13011	seob7186	13067	seob7258	13123	seob7336
12900	seob7044	12956	seob7111	13012	seob7187	13068	seob7259	13124	seob7337
12901	seob7045	12957	seob7112	13013	seob7188	13069	seob7261	13125	seob7338
12902	seob7046	12958	seob7114	13014	seob7189	13070	seob7262	13126	seob7339
12903	seob7047	12959	seob7115	13015	seob7190	13071	seob7263	13127	seob7340
12904	seob7049	12960	seob7117	13016	seob7191	13072	seob7264	13128	seob7341
12905	seob7050	12961	seob7118	13017	seob7193	13073	seob7265	13129	seob7342
12906	seob7051	12962	seob7119	13018	seob7194	13074	seob7266	13130	seob7345
12907	seob7052	12963	seob7120	13019	seob7196	13075	seob7273	13131	seob7346
12908	seob7053	12964	seob7123	13020	seob7199	13076	seob7274	13132	seob7347
12909	seob7055	12965	seob7124	13021	seob7200	13077	seob7275	13133	seob7348
12910	seob7056	12966	seob7125	13022	seob7201	13078	seob7277	13134	seob7349
12911	seob7057	12967	seob7126	13023	seob7202	13079	seob7278	13135	seob7350
12912	seob7058	12968	seob7127	13024	seob7203	13080	seob7282	13136	seob7351
12913	seob7060	12969	seob7128	13025	seob7205	13081	seob7284	13137	seob7352
12914	seob7061	12970	seob7129	13026	seob7207	13082	seob7285	13138	seob7354
12915	seob7062	12971	seob7130	13027	seob7208	13083	seob7286	13139	seob7355
12916	seob7063	12972	seob7131	13028	seob7209	13084	seob7287	13140	seob7356
12917	seob7064	12973	seob7132	13029	seob7210	13085	seob7288	13141	seob7357
12918	seob7065	12974	seob7135	13030	seob7212	13086	seob7289	13142	seob7358
12919	seob7067	12975	seob7136	13031	seob7213	13087	seob7290	13143	seob7360
12920	seob7068	12976	seob7138	13032	seob7216	13088	seob7292	13144	seob7361
12921	seob7069	12977	seob7139	13033	seob7217	13089	seob7293	13145	seob7362
12922	seob7070	12978	seob7140	13034	seob7218	13090	seob7294	13146	seob7364
12923	seob7071	12979	seob7143	13035	seob7220	13091	seob7296	13147	seob7365
12924	seob7072	12980	seob7144	13036	seob7222	13092	seob7297	13148	seob7366
12925	seob7073	12981	seob7148	13037	seob7224	13093	seob7298	13149	seob7367
12926	seob7074	12982	seob7151	13038	seob7225	13094	seob7301	13150	seob7368
12927	seob7075	12983	seob7152	13039	seob7226	13095	seob7302	13151	seob7369
12928	seob7076	12984	seob7153	13040	seob7227	13096	seob7304	13152	seob7370
12929	seob7077	12985	seob7154	13041	seob7228	13097	seob7305	13153	seob7373
12930	seob7078	12986	seob7155	13042	seob7229	13098	seob7306	13154	seob7374
12931	seob7079	12987	seob7156	13043	seob7231	13099	seob7307	13155	seob7375
12932	seob7081	12988	seob7157	13044	seob7232	13100	seob7308	13156	seob7376
12933	seob7082	12989	seob7158	13045	seob7233	13101	seob7309	13157	seob7377
12934	seob7083	12990	seob7159	13046	seob7234	13102	seob7310	13158	seob7378
12935	seob7086	12991	seob7160	13047	seob7235	13103	seob7311	13159	seob7379
12936	seob7087	12992	seob7161	13048	seob7237	13104	seob7313	13160	seob7380

Figure 6E - Continued

13161	seob7381	13217	seob7443	13273	seob7512	13329	seob7577	13385	seob7645
13162	seob7382	13218	seob7444	13274	seob7514	13330	seob7578	13386	seob7646
13163	seob7383	13219	seob7445	13275	seob7515	13331	seob7580	13387	seob7647
13164	seob7384	13220	seob7446	13276	seob7516	13332	seob7581	13388	seob7648
13165	seob7385	13221	seob7447	13277	seob7517	13333	seob7582	13389	seob7649
13166	seob7388	13222	seob7448	13278	seob7518	13334	seob7584	13390	seob7651
13167	seob7389	13223	seob7449	13279	seob7519	13335	seob7585	13391	seob7652
13168	seob7390	13224	seob7450	13280	seob7521	13336	seob7586	13392	seob7653
13169	seob7392	13225	seob7451	13281	seob7523	13337	seob7588	13393	seob7654
13170	seob7393	13226	seob7452	13282	seob7524	13338	seob7589	13394	seob7655
13171	seob7394	13227	seob7454	13283	seob7525	13339	seob7590	13395	seob7656
13172	seob7396	13228	seob7457	13284	seob7527	13340	seob7591	13396	seob7658
13173	seob7397	13229	seob7458	13285	seob7528	13341	seob7592	13397	seob7659
13174	seob7398	13230	seob7459	13286	seob7529	13342	seob7593	13398	seob7660
13175	seob7399	13231	seob7460	13287	seob7530	13343	seob7594	13399	seob7661
13176	seob7400	13232	seob7461	13288	seob7531	13344	seob7595	13400	seob7662
13177	seob7401	13233	seob7462	13289	seob7532	13345	seob7596	13401	seob7663
13178	seob7402	13234	seob7463	13290	seob7533	13346	seob7597	13402	seob7664
13179	seob7403	13235	seob7464	13291	seob7534	13347	seob7600	13403	seob7665
13180	seob7404	13236	seob7465	13292	seob7535	13348	seob7601	13404	seob7666
13181	seob7405	13237	seob7466	13293	seob7536	13349	seob7602	13405	seob7667
13182	seob7406	13238	seob7467	13294	seob7537	13350	seob7603	13406	seob7668
13183	seob7407	13239	seob7469	13295	seob7538	13351	seob7604	13407	seob7669
13184	seob7408	13240	seob7470	13296	seob7539	13352	seob7608	13408	seob7670
13185	seob7409	13241	seob7471	13297	seob7540	13353	seob7610	13409	seob7674
13186	seob7410	13242	seob7472	13298	seob7541	13354	seob7611	13410	seob7675
13187	seob7411	13243	seob7473	13299	seob7543	13355	seob7612	13411	seob7678
13188	seob7412	13244	seob7474	13300	seob7544	13356	seob7613	13412	seob7679
13189	seob7413	13245	seob7475	13301	seob7545	13357	seob7614	13413	seob7680
13190	seob7414	13246	seob7476	13302	seob7546	13358	seob7615	13414	seob7681
13191	seob7416	13247	seob7477	13303	seob7547	13359	seob7617	13415	seob7682
13192	seob7417	13248	seob7478	13304	seob7548	13360	seob7618	13416	seob7684
13193	seob7418	13249	seob7479	13305	seob7549	13361	seob7619	13417	seob7685
13194	seob7419	13250	seob7482	13306	seob7550	13362	seob7620	13418	seob7686
13195	seob7420	13251	seob7484	13307	seob7551	13363	seob7621	13419	seob7687
13196	seob7421	13252	seob7485	13308	seob7552	13364	seob7622	13420	seob7689
13197	seob7422	13253	seob7486	13309	seob7553	13365	seob7623	13421	seob7691
13198	seob7423	13254	seob7488	13310	seob7554	13366	seob7624	13422	seob7692
13199	seob7424	13255	seob7490	13311	seob7555	13367	seob7625	13423	seob7693
13200	seob7425	13256	seob7492	13312	seob7556	13368	seob7626	13424	seob7694
13201	seob7427	13257	seob7493	13313	seob7557	13369	seob7627	13425	seob7695
13202	seob7428	13258	seob7494	13314	seob7558	13370	seob7629	13426	seob7696
13203	seob7429	13259	seob7495	13315	seob7561	13371	seob7630	13427	seob7698
13204	seob7430	13260	seob7497	13316	seob7562	13372	seob7631	13428	seob7699
13205	seob7431	13261	seob7498	13317	seob7563	13373	seob7632	13429	seob7701
13206	seob7432	13262	seob7499	13318	seob7564	13374	seob7633	13430	seob7702
13207	seob7433	13263	seob7500	13319	seob7566	13375	seob7634	13431	seob7703
13208	seob7434	13264	seob7501	13320	seob7567	13376	seob7635	13432	seob7704
13209	seob7435	13265	seob7502	13321	seob7568	13377	seob7636	13433	seob7705
13210	seob7436	13266	seob7504	13322	seob7569	13378	seob7637	13434	seob7706
13211	seob7437	13267	seob7505	13323	seob7570	13379	seob7638	13435	seob7707
13212	seob7438	13268	seob7506	13324	seob7571	13380	seob7639	13436	seob7709
13213	seob7439	13269	seob7507	13325	seob7572	13381	seob7640	13437	seob7710
13214	seob7440	13270	seob7508	13326	seob7573	13382	seob7641	13438	seob7711
13215	seob7441	13271	seob7509	13327	seob7575	13383	seob7642	13439	seob7712
13216	seob7442	13272	seob7510	13328	seob7576	13384	seob7643	13440	seob7714

Figure 6E - Continued

13441	seob7715	13497	seob7886	13553	seob7953	13609	seob8024	13665	seob8097
13442	seob7720	13498	seob7887	13554	seob7954	13610	seob8025	13666	seob8099
13443	seob7722	13499	seob7888	13555	seob7955	13611	seob8026	13667	seob8100
13444	seob7723	13500	seob7889	13556	seob7956	13612	seob8027	13668	seob8101
13445	seob7724	13501	seob7890	13557	seob7957	13613	seob8028	13669	seob8102
13446	seob7726	13502	seob7891	13558	seob7958	13614	seob8029	13670	seob8104
13447	seob7728	13503	seob7893	13559	seob7960	13615	seob8030	13671	seob8106
13448	seob7729	13504	seob7895	13560	seob7962	13616	seob8031	13672	seob8107
13449	seob7730	13505	seob7896	13561	seob7965	13617	seob8032	13673	seob8108
13450	seob7732	13506	seob7897	13562	seob7966	13618	seob8034	13674	seob8110
13451	seob7733	13507	seob7898	13563	seob7968	13619	seob8035	13675	seob8129
13452	seob7737	13508	seob7899	13564	seob7969	13620	seob8037	13676	seob8130
13453	seob7738	13509	seob7900	13565	seob7970	13621	seob8039	13677	seob8132
13454	seob7739	13510	seob7901	13566	seob7972	13622	seob8040	13678	seob8135
13455	seob7740	13511	seob7902	13567	seob7973	13623	seob8041	13679	seob8138
13456	seob7741	13512	seob7903	13568	seob7974	13624	seob8042	13680	seob8140
13457	seob7742	13513	seob7905	13569	seob7975	13625	seob8044	13681	seob8141
13458	seob7743	13514	seob7906	13570	seob7977	13626	seob8045	13682	seob8154
13459	seob7744	13515	seob7907	13571	seob7978	13627	seob8046	13683	seob8155
13460	seob7745	13516	seob7908	13572	seob7979	13628	seob8047	13684	seob8157
13461	seob7746	13517	seob7909	13573	seob7980	13629	seob8048	13685	seob8158
13462	seob7747	13518	seob7910	13574	seob7981	13630	seob8051	13686	seob8159
13463	seob7748	13519	seob7911	13575	seob7982	13631	seob8052	13687	seob8160
13464	seob7749	13520	seob7912	13576	seob7983	13632	seob8053	13688	seob8161
13465	seob7750	13521	seob7915	13577	seob7984	13633	seob8054	13689	seob8162
13466	seob7751	13522	seob7916	13578	seob7986	13634	seob8055	13690	seob8163
13467	seob7752	13523	seob7917	13579	seob7987	13635	seob8060	13691	seob8164
13468	seob7753	13524	seob7918	13580	seob7989	13636	seob8063	13692	seob8166
13469	seob7754	13525	seob7919	13581	seob7990	13637	seob8065	13693	seob8167
13470	seob7755	13526	seob7920	13582	seob7992	13638	seob8066	13694	seob8168
13471	seob7756	13527	seob7921	13583	seob7993	13639	seob8067	13695	seob8169
13472	seob7757	13528	seob7923	13584	seob7994	13640	seob8068	13696	seob8171
13473	seob7758	13529	seob7924	13585	seob7995	13641	seob8069	13697	seob8172
13474	seob7759	13530	seob7926	13586	seob7996	13642	seob8071	13698	seob8173
13475	seob7760	13531	seob7928	13587	seob7998	13643	seob8072	13699	seob8174
13476	seob7763	13532	seob7929	13588	seob7999	13644	seob8073	13700	seob8176
13477	seob7764	13533	seob7930	13589	seob8000	13645	seob8076	13701	seob8177
13478	seob7765	13534	seob7931	13590	seob8001	13646	seob8077	13702	seob8178
13479	seob7766	13535	seob7933	13591	seob8002	13647	seob8078	13703	seob8179
13480	seob7769	13536	seob7934	13592	seob8004	13648	seob8079	13704	seob8180
13481	seob7866	13537	seob7935	13593	seob8006	13649	seob8080	13705	seob8181
13482	seob7868	13538	seob7936	13594	seob8007	13650	seob8081	13706	seob8182
13483	seob7869	13539	seob7937	13595	seob8008	13651	seob8082	13707	seob8184
13484	seob7870	13540	seob7938	13596	seob8009	13652	seob8083	13708	seob8185
13485	seob7871	13541	seob7939	13597	seob8010	13653	seob8084	13709	seob8186
13486	seob7872	13542	seob7940	13598	seob8011	13654	seob8085	13710	seob8187
13487	seob7873	13543	seob7941	13599	seob8012	13655	seob8086	13711	seob8188
13488	seob7874	13544	seob7942	13600	seob8013	13656	seob8087	13712	seob8189
13489	seob7875	13545	seob7944	13601	seob8015	13657	seob8088	13713	seob8190
13490	seob7876	13546	seob7945	13602	seob8016	13658	seob8089	13714	seob8191
13491	seob7877	13547	seob7946	13603	seob8017	13659	seob8090	13715	seob8192
13492	seob7878	13548	seob7947	13604	seob8018	13660	seob8092	13716	seob8193
13493	seob7879	13549	seob7948	13605	seob8019	13661	seob8093	13717	seob8194
13494	seob7880	13550	seob7949	13606	seob8020	13662	seob8094	13718	seob8196
13495	seob7883	13551	seob7951	13607	seob8021	13663	seob8095	13719	seob8198
13496	seob7885	13552	seob7952	13608	seob8022	13664	seob8096	13720	seob8200

Figure 6E - Continued

13721	seob8202	13777	seob8269	13833	seob8341	13889	SOA0101	13945	soa0230n
13722	seob8204	13778	seob8271	13834	seob8343	13890	SOA0103	13946	SOA0231
13723	seob8205	13779	seob8275	13835	seob8344	13891	SOA0105	13947	SOA0233
13724	seob8207	13780	seob8276	13836	seob8345	13892	SOA0107	13948	SOA0234
13725	seob8208	13781	seob8277	13837	soa0001n	13893	SOA0109	13949	SOA0236
13726	seob8209	13782	seob8278	13838	SOA0002	13894	soa0111n	13950	soa0237n
13727	seob8210	13783	seob8279	13839	soa0004n	13895	SOA0116	13951	SOA0239
13728	seob8211	13784	seob8280	13840	soa0005n	13896	SOA0117	13952	soa0240n
13729	seob8212	13785	seob8281	13841	soa0006n	13897	SOA0121	13953	SOA0241
13730	seob8214	13786	seob8282	13842	soa0007n	13898	SOA0122	13954	SOA0242
13731	seob8215	13787	seob8284	13843	SOA0008	13899	SOA0125	13955	soa0245n
13732	seob8216	13788	seob8285	13844	soa0012n	13900	SOA0131	13956	SOA0248
13733	seob8217	13789	seob8286	13845	SOA0017	13901	SOA0132	13957	SOA0249
13734	seob8219	13790	seob8287	13846	SOA0021	13902	SOA0133	13958	SOA0251
13735	seob8220	13791	seob8288	13847	soa0022n	13903	SOA0134	13959	SOA0253
13736	seob8221	13792	seob8289	13848	SOA0024	13904	SOA0138	13960	SOA0256
13737	seob8223	13793	seob8291	13849	soa0026	13905	soa0140n	13961	SOA0257
13738	seob8224	13794	seob8292	13850	SOA0027	13906	SOA0141	13962	SOA0262
13739	seob8225	13795	seob8293	13851	soa0028n	13907	SOA0142	13963	SOA0263
13740	seob8226	13796	seob8294	13852	SOA0031	13908	SOA0143	13964	SOA0264
13741	seob8227	13797	seob8296	13853	SOA0033	13909	SOA0145	13965	SOA0267
13742	seob8229	13798	seob8297	13854	SOA0035	13910	soa0146n	13966	SOA0269
13743	seob8231	13799	seob8298	13855	soa0038n	13911	SOA0147	13967	soa0271n
13744	seob8232	13800	seob8299	13856	soa0039n	13912	SOA0148	13968	SOA0274
13745	seob8233	13801	seob8300	13857	soa0040n	13913	SOA0149	13969	SOA0275
13746	seob8235	13802	seob8301	13858	soa0042n	13914	SOA0154	13970	soa0277n
13747	seob8236	13803	seob8303	13859	soa0043n	13915	SOA0156	13971	SOA0278
13748	seob8237	13804	seob8305	13860	SOA0044	13916	SOA0158	13972	SOA0281
13749	seob8238	13805	seob8306	13861	SOA0046	13917	SOA0161	13973	SOA0282
13750	seob8239	13806	seob8308	13862	SOA0047	13918	SOA0163	13974	SOA0283
13751	seob8240	13807	seob8309	13863	soa0049n	13919	SOA0165	13975	SOA0284
13752	seob8241	13808	seob8310	13864	SOA0050	13920	SOA0195	13976	SOA0285
13753	seob8242	13809	seob8311	13865	soa0053n	13921	soa0196n	13977	SOA0286
13754	seob8243	13810	seob8312	13866	SOA0055	13922	soa0197n	13978	SOA0288
13755	seob8244	13811	seob8313	13867	SOA0056	13923	soa0198n	13979	SOA0289
13756	seob8245	13812	seob8314	13868	SOA0058	13924	soa0201n	13980	soa0291n
13757	seob8246	13813	seob8315	13869	SOA0059	13925	soa0204n	13981	soa0292n
13758	seob8247	13814	seob8317	13870	SOA0060	13926	SOA0207	13982	soa0294n
13759	seob8248	13815	seob8319	13871	SOA0064	13927	SOA0208	13983	soa0298n
13760	seob8249	13816	seob8320	13872	SOA0065	13928	SOA0209	13984	soa0300n
13761	seob8250	13817	seob8321	13873	SOA0068	13929	SOA0210	13985	soa0301n
13762	seob8252	13818	seob8322	13874	SOA0070	13930	SOA0212	13986	SOA0303
13763	seob8254	13819	seob8323	13875	SOA0071	13931	SOA0213	13987	SOA0304
13764	seob8255	13820	seob8324	13876	SOA0076	13932	SOA0214	13988	soa0306n
13765	seob8256	13821	seob8326	13877	SOA0077	13933	SOA0215	13989	SOA0307
13766	seob8257	13822	seob8328	13878	soa0078n	13934	SOA0216	13990	SOA0308
13767	seob8258	13823	seob8329	13879	SOA0079	13935	SOA0217	13991	SOA0310
13768	seob8260	13824	seob8330	13880	SOA0082	13936	SOA0219	13992	SOA0315
13769	seob8261	13825	seob8332	13881	SOA0083	13937	SOA0220	13993	SOA0317
13770	seob8262	13826	seob8333	13882	SOA0085	13938	SOA0221	13994	SOA0319
13771	seob8263	13827	seob8334	13883	SOA0089	13939	SOA0222	13995	SOA0322
13772	seob8264	13828	seob8335	13884	SOA0092	13940	SOA0223	13996	SOA0323
13773	seob8265	13829	seob8336	13885	soa0093n	13941	SOA0224	13997	SOA0327
13774	seob8266	13830	seob8337	13886	SOA0095	13942	SOA0225	13998	SOA0328
13775	seob8267	13831	seob8338	13887	SOA0096	13943	SOA0228	13999	soa0329n
13776	seob8268	13832	seob8339	13888	SOA0100	13944	SOA0229	14000	SOA0330



Figure 6E - Continued

14001	SOA0331	14057	SOA0420	14113	SOA0525	14169	SOA0619
14002	SOA0332	14058	SOA0421	14114	SOA0526	14170	SOA0620
14003	SOA0334	14059	SOA0426	14115	SOA0527	14171	SOA0621
14004	SOA0335	14060	SOA0427	14116	soa0529n	14172	SOA0622
14005	SOA0337	14061	SOA0428	14117	SOA0532	14173	SOA0623
14006	SOA0338	14062	SOA0429	14118	soa0533n	14174	SOA0630
14007	SOA0340	14063	SOA0434	14119	SOA0535	14175	SOA0631
14008	SOA0341	14064	soa0435n	14120	SOA0536	14176	SOA0632
14009	SOA0342	14065	SOA0436	14121	SOA0537	14177	soa0633n
14010	soa0343n	14066	SOA0437	14122	soa0539n	14178	SOA0634
14011	soa0345n	14067	soa0439	14123	soa0540n	14179	soa0636n
14012	soa0346n	14068	SOA0440	14124	SOA0541	14180	soa0637n
14013	SOA0347	14069	SOA0442N	14125	SOA0542	14181	SOA0639
14014	SOA0348	14070	SOA0444	14126	SOA0544	14182	SOA0640
14015	SOA0349	14071	SOA0445	14127	SOA0545	14183	SOA0641
14016	SOA0351	14072	SOA0448	14128	SOA0546	14184	SOA0642
14017	SOA0353	14073	SOA0449	14129	SOA0549	14185	SOA0643
14018	SOA0354	14074	SOA0450	14130	SOA0550	14186	SOA0646
14019	SOA0356	14075	SOA0453	14131	SOA0552	14187	SOA0647
14020	SOA0357	14076	soa0461n	14132	SOA0554	14188	SOA0648
14021	soa0360n	14077	soa0463n	14133	SOA0558	14189	SOA0650
14022	SOA0362	14078	SOA0464	14134	SOA0559	14190	SOA0651
14023	soa0363n	14079	soa0466n	14135	SOA0560	14191	SOA0652
14024	SOA0365	14080	SOA0467	14136	SOA0561	14192	SOA0654
14025	SOA0368	14081	SOA0468	14137	SOA0563	14193	SOA0659
14026	SOA0369	14082	SOA0470	14138	soa0564n	14194	SOA0660
14027	SOA0370	14083	SOA0471	14139	SOA0565	14195	SOA0661
14028	SOA0372	14084	SOA0473	14140	SOA0567	14196	SOA0662
14029	soa0373n	14085	SOA0476	14141	soa0568n	14197	SOA0667
14030	SOA0375	14086	soa0477n	14142	SOA0569	14198	SOA0670
14031	SOA0376	14087	SOA0478	14143	SOA0570	14199	SOA0673
14032	SOA0377	14088	SOA0481	14144	SOA0571	14200	SOA0674n
14033	SOA0379	14089	SOA0482	14145	SOA0575	14201	SOA0675
14034	SOA0381	14090	SOA0483	14146	SOA0579	14202	SOA0677n
14035	soa0382n	14091	SOA0484	14147	SOA0580	14203	SOA0678
14036	SOA0384	14092	SOA0485	14148	SOA0583	14204	SOA0679
14037	SOA0387	14093	soa0486n	14149	soa0585n	14205	SOA0684
14038	soa0388n	14094	SOA0487	14150	SOA0589	14206	SOA0685
14039	SOA0389	14095	SOA0488	14151	SOA0591	14207	SOA0688
14040	SOA0391	14096	soa0489n	14152	SOA0593	14208	SOA0690
14041	SOA0393	14097	SOA0490	14153	SOA0594	14209	SOA0692
14042	SOA0397	14098	SOA0491	14154	SOA0598	14210	SOA0693
14043	SOA0399	14099	SOA0493	14155	SOA0600	14211	SOA0694
14044	SOA0401	14100	SOA0495	14156	SOA0601	14212	SOA0698
14045	SOA0403	14101	SOA0496	14157	SOA0602	14213	SOA0701
14046	soa0405n	14102	SOA0498	14158	SOA0604	14214	SOA0704
14047	SOA0406	14103	SOA0501	14159	SOA0605	14215	soa0705n
14048	SOA0409	14104	SOA0503	14160	SOA0606	14216	SOA0706
14049	SOA0410	14105	SOA0505	14161	SOA0608	14217	SOA0707
14050	SOA0411	14106	SOA0506	14162	soa0609n	14218	soa0712
14051	SOA0412	14107	SOA0514	14163	SOA0611	14219	SOA0713
14052	SOA0413	14108	SOA0516	14164	SOA0612	14220	SOA0715
14053	SOA0415	14109	SOA0518	14165	soa0613n	14221	SOA0716
14054	SOA0416	14110	SOA0520	14166	SOA0614	14222	SOA0718
14055	SOA0417	14111	soa0521n	14167	SOA0615		
14056	SOA0419	14112	SOA0523	14168	SOA0616		

**Figure 7 - Characterization of Human Cartilage cDNA Libraries Based on Functional Classification of Known/Unique Genes**

Functional Classification	Fetal		Normal		Mild		Severe	
	# of Genes		# of Genes		# of Genes		# of Genes	
Cell division	182	7.06%	160	6.13%	127	6.39%	157	6.81%
Cell signalling/communication	387	15.01%	353	13.52%	304	15.31%	326	14.14%
Cell structure/motility	281	10.90%	235	9.00%	182	9.16%	196	8.50%
Cell/organism defense	196	7.60%	196	7.51%	167	8.41%	184	7.98%
Gene/protein expression	573	22.22%	524	20.08%	429	21.60%	529	22.94%
Metabolism	384	14.89%	343	13.14%	277	13.95%	312	13.53%
Unclassified	576	22.33%	707	27.09%	452	22.76%	552	23.94%
Total known/unique genes analyzed	2579		2518		1938		2256	

**Figure 8 - List of Novel and Known Gene Clones from Mild OA and Severe OA Libraries on Microarray**

MIOA0003a	MIOA0004a	MIOA0005a	MIOA0008a	MIOA0010a	MIOA0013a	MIOA0022a	MIOA0024a
MIOA0026a	MIOA0029a	MIOA0032a	MIOA0033a	MIOA0037a	MIOA0039a	MIOA0044a	MIOA0045a
MIOA0046a	MIOA0049a	MIOA0051a	MIOA0053a	MIOA0054a	MIOA0057a	MIOA0058a	MIOA0059a
MIOA0061a	MIOA0062a	MIOA0065a	MIOA0066a	MIOA0068a	MIOA0070a	MIOA0071a	MIOA0072a
MIOA0074a	MIOA0075a	MIOA0076a	MIOA0078a	MIOA0081a	MIOA0082a	MIOA0083a	MIOA0084a
MIOA0085a	MIOA0089a	MIOA0090a	MIOA0092a	MIOA0093a	MIOA0095a	MIOA0098	MIOA0102
MIOA0104	MIOA0105	MIOA0109	MIOA0110	MIOA0111	MIOA0113	MIOA0114	MIOA0115
MIOA0117	MIOA0118	MIOA0122	MIOA0126	MIOA0128	MIOA0132	MIOA0135	MIOA0143
MIOA0145	MIOA0147	MIOA0152	MIOA0153	MIOA0154	MIOA0156	MIOA0157	MIOA0158
MIOA0161	MIOA0162	MIOA0164	MIOA0165	MIOA0166	MIOA0168n	MIOA0169	MIOA0171
MIOA0172	MIOA0174	MIOA0175n	MIOA0177n	MIOA0181	MIOA0183	MIOA0189	MIOA0190
MIOA0192	MIOA0195a	MIOA0197a	MIOA0201a	MIOA0203a	MIOA0204a	MIOA0207a	MIOA0209a
MIOA0210a	MIOA0212a	MIOA0213a	MIOA0215a	MIOA0218a	MIOA0219a	MIOA0220a	MIOA0221a
MIOA0222a	MIOA0223a	MIOA0224a	MIOA0225a	MIOA0228a	MIOA0230a	MIOA0235a	MIOA0236a
MIOA0237a	MIOA0238a	MIOA0240a	MIOA0243a	MIOA0245a	MIOA0247a	MIOA0248a	MIOA0251a
MIOA0252a	MIOA0253a	MIOA0255a	MIOA0256a	MIOA0257	MIOA0258n	MIOA0261	MIOA0263
MIOA0264	MIOA0265n	MIOA0266n	MIOA0269	MIOA0270	MIOA0273	MIOA0274	MIOA0275n
MIOA0281n	MIOA0286	MIOA0288	MIOA0289	MIOA0291	MIOA0294	MIOA0296	MIOA0299n
MIOA0300	MIOA0303	MIOA0304	MIOA0306n	MIOA0307	MIOA0308	MIOA0309	MIOA0311n
MIOA0314	MIOA0315	MIOA0316	MIOA0320	MIOA0321	MIOA0322	MIOA0323	MIOA0325
MIOA0328	MIOA0329n	MIOA0332	MIOA0334	MIOA0335	MIOA0341	MIOA0342	MIOA0343n
MIOA0354a	MIOA0355a	MIOA0361a	MIOA0363a	MIOA0364a	MIOA0365a	MIOA0375a	MIOA0378a
MIOA0380a	MIOA0381a	MIOA0382a	MIOA0384a	MIOA0394a	MIOA0395a	MIOA0397a	MIOA0400a
MIOA0401a	MIOA0407a	MIOA0408a	MIOA0411a	MIOA0412a	MIOA0419a	MIOA0449	MIOA0450
MIOA0451	MIOA0452	MIOA0453	MIOA0454	MIOA0455	MIOA0456	MIOA0459	MIOA0461
MIOA0462n	MIOA0466	MIOA0467	MIOA0473	MIOA0474	MIOA0477	MIOA0478	MIOA0482n
MIOA0483	MIOA0484	MIOA0485	MIOA0487	MIOA0488n	MIOA0493	MIOA0494	MIOA0497n
MIOA0498n	MIOA0501	MIOA0502	MIOA0504n	MIOA0508n	MIOA0510	MIOA0513n	MIOA0514
MIOA0516	MIOA0520n	MIOA0521	MIOA0524	MIOA0525	MIOA0528	MIOA0529	MIOA0530
MIOA0531	MIOA0533	MIOA0535n	MIOA0538	MIOA0541n	MIOA0542	MIOA0544	MIOA0545a
MIOA0546a	MIOA0548a	MIOA0550a	MIOA0551a	MIOA0553a	MIOA0554a	MIOA0572n	MIOA0577a
MIOA0578a	MIOA0579a	MIOA0580a	MIOA0581a	MIOA0582a	MIOA0586a	MIOA0588a	MIOA0589a
MIOA0591a	MIOA0592a	MIOA0594a	MIOA0595a	MIOA0597a	MIOA0600a	MIOA0601a	MIOA0602a
MIOA0605a	MIOA0610a	MIOA0611a	MIOA0614a	MIOA0616a	MIOA0618a	MIOA0621a	MIOA0624a
MIOA0625a	MIOA0626a	MIOA0629a	MIOA0630a	MIOA0632a	MIOA0633a	MIOA0637a	MIOA0639a
MIOA0644	MIOA0645	MIOA0647	MIOA0677	MIOA0680	MIOA0682n	MIOA0683	MIOA0684
MIOA0685	MIOA0689	MIOA0690	MIOA0692	MIOA0694	MIOA0697	MIOA0699	MIOA0701
MIOA0702	MIOA0706	MIOA0707	MIOA0708	MIOA0712	MIOA0717	MIOA0718	MIOA0719
MIOA0720n	MIOA0721	MIOA0723	MIOA0724	MIOA0726n	MIOA0730	MIOA0731	MIOA0734
MIOA0736	MIOA0743	MIOA0744	MIOA0745	MIOA0747	MIOA0750	MIOA0751	MIOA0752
MIOA0753n	MIOA0758	MIOA0759	MIOA0760	MIOA0761	MIOA0763n	MIOA0764	MIOA0765n
MIOA0766	MIOA0767	MIOA0768n	MIOA0769n	MIOA0772	MIOA0774n	MIOA0775n	MIOA0776n
MIOA0777n	MIOA0778	MIOA0780n	MIOA0781	MIOA0782n	MIOA0783	MIOA0783n	MIOA0790
MIOA0791	MIOA0795n	MIOA0797	MIOA0798	MIOA0803	MIOA0804	MIOA0806	MIOA0809
MIOA0811	MIOA0813	MIOA0814	MIOA0817	MIOA0819	MIOA0820	MIOA0823	MIOA0824
MIOA0826	MIOA0831	MIOA0832	MIOA0840a	MIOA0842a	MIOA0843a	MIOA0849a	MIOA0855a

Figure 8 - Continued

MIOA0857a	MIOA0860a	MIOA0861a	MIOA0868a	MIOA0869a	MIOA0874a	MIOA0876a	MIOA0879a
MIOA0880a	MIOA0882a	MIOA0884a	MIOA0885a	MIOA0886a	MIOA0887a	MIOA0890a	MIOA0891a
MIOA0892a	MIOA0893a	MIOA0894a	MIOA0896a	MIOA0897a	MIOA0898a	MIOA0899a	MIOA0900a
MIOA0902a	MIOA0905a	MIOA0906a	MIOA0908a	MIOA0909a	MIOA0910a	MIOA0911a	MIOA0912a
MIOA0915a	MIOA0916a	MIOA0918a	MIOA0920a	MIOA0924a	MIOA0925a	MIOA0932	MIOA0933
MIOA0934	MIOA0935	MIOA0936	MIOA0937	MIOA0938	MIOA0941	MIOA0942	MIOA0943
MIOA0948	MIOA0949	MIOA0950	MIOA0952	MIOA0953	MIOA0954	MIOA0955	MIOA0958
MIOA0959	MIOA0960	MIOA0961	MIOA0963	MIOA0964	MIOA0965	MIOA0968	MIOA0969n
MIOA0971	MIOA0972	MIOA0977	MIOA0978n	MIOA0983	MIOA0984	MIOA0986	MIOA0987
MIOA0989n	MIOA0991n	MIOA0992n	MIOA0993n	MIOA0994	MIOA0995	MIOA0996n	MIOA0999
MIOA1003	MIOA1004	MIOA1006	MIOA1008	MIOA1009	MIOA1010	MIOA1015	MIOA1019
MIOA1024	MIOA1025	MIOA1027	MIOA1030	MIOA1044	MIOA1045	MIOA1048	MIOA1049
MIOA1052	MIOA1054	MIOA1057	MIOA1058	MIOA1059	MIOA1060	MIOA1062	MIOA1068
MIOA1070	MIOA1071	MIOA1072	MIOA1073	MIOA1075	MIOA1076	MIOA1078	MIOA1079
MIOA1081	MIOA1082	MIOA1084	MIOA1085	MIOA1086	MIOA1087	MIOA1088	MIOA1091
MIOA1092	MIOA1094	MIOA1097	MIOA1099	MIOA1100	MIOA1120	MIOA1123	MIOA1128
MIOA1130	MIOA1133	MIOA1134	MIOA1136	MIOA1137	MIOA1138	MIOA1139	MIOA1140
MIOA1143	MIOA1144	MIOA1145	MIOA1147	MIOA1149	MIOA1150	MIOA1151	MIOA1154
MIOA1156	MIOA1158	MIOA1159	MIOA1161	MIOA1163	MIOA1165	MIOA1166	MIOA1169
MIOA1170	MIOA1171	MIOA1172	MIOA1173	MIOA1176	MIOA1177	MIOA1180	MIOA1182
MIOA1185	MIOA1186	MIOA1189	MIOA1192	MIOA1193	MIOA1197n	MIOA1198	MIOA1199
MIOA1200	MIOA1212	MIOA1213	MIOA1223m	MIOA1228	MIOA1230	MIOA1231	MIOA1236
MIOA1239	MIOA1241n	MIOA1242	MIOA1243	MIOA1248	MIOA1252	MIOA1255m	MIOA1256
MIOA1259	MIOA1263	MIOA1264	MIOA1266	MIOA1267	MIOA1276m	MIOA1278m	MIOA1279m
MIOA1285	MIOA1286	MIOA1287	MIOA1290	MIOA1291n	MIOA1293n	MIOA1294n	MIOA1300n
MIOA1303	MIOA1304	MIOA1310	MIOA1312	MIOA1314a	MIOA1318a	MIOA1319a	MIOA1320a
MIOA1321a	MIOA1322a	MIOA1325a	MIOA1326a	MIOA1327a	MIOA1329a	MIOA1337a	MIOA1339a
MIOA1342a	MIOA1343a	MIOA1344a	MIOA1349a	MIOA1352a	MIOA1353a	MIOA1354a	MIOA1356a
MIOA1361a	MIOA1362a	MIOA1364a	MIOA1369a	MIOA1370a	MIOA1373a	MIOA1375a	MIOA1377a
MIOA1379a	MIOA1380a	MIOA1383a	MIOA1385a	MIOA1388a	MIOA1391a	MIOA1392a	MIOA1394a
MIOA1397a	MIOA1398a	MIOA1399a	MIOA1400a	MIOA1401a	MIOA1403a	MIOA1405a	MIOA1409
MIOA1410m	MIOA1411n	MIOA1412	MIOA1413	MIOA1414	MIOA1416	MIOA1420n	MIOA1424
MIOA1426	MIOA1427	MIOA1431	MIOA1434	MIOA1435	MIOA1438	MIOA1439	MIOA1440
MIOA1442	MIOA1443	MIOA1444	MIOA1445	MIOA1446	MIOA1447	MIOA1448	MIOA1450
MIOA1452	MIOA1454	MIOA1455	MIOA1459	MIOA1461n	MIOA1462	MIOA1463	MIOA1464
MIOA1465	MIOA1467	MIOA1468	MIOA1469	MIOA1471	MIOA1473	MIOA1476	MIOA1477
MIOA1479m	MIOA1483m	MIOA1484	MIOA1485	MIOA1488	MIOA1491m	MIOA1494	MIOA1495m
MIOA1496	MIOA1498n	MIOA1503	MIOA1505	MIOA1506	MIOA1508	MIOA1509	MIOA1512n
MIOA1513	MIOA1517	MIOA1518	MIOA1519	MIOA1520	MIOA1522	MIOA1524	MIOA1527
MIOA1528	MIOA1529	MIOA1531	MIOA1532	MIOA1533	MIOA1534	MIOA1537	MIOA1538
MIOA1539	MIOA1541m	MIOA1542m	MIOA1546	MIOA1547	MIOA1548	MIOA1550	MIOA1551
MIOA1554n	MIOA1555	MIOA1556	MIOA1559	MIOA1560	MIOA1561	MIOA1562	MIOA1564m
MIOA1565n	MIOA1566	MIOA1568	MIOA1569	MIOA1570	MIOA1571	MIOA1572	MIOA1573
MIOA1574	MIOA1580	MIOA1582	MIOA1584	MIOA1585	MIOA1590	MIOA1592	MIOA1593
MIOA1594	MIOA1595	MIOA1597	MIOA1602a	MIOA1603a	MIOA1604a	MIOA1605A	MIOA1606a
MIOA1607a	MIOA1608a	MIOA1610a	MIOA1612a	MIOA1621a	MIOA1626a	MIOA1628a	MIOA1630a
MIOA1632a	MIOA1636a	MIOA1640a	MIOA1641a	MIOA1645a	MIOA1646a	MIOA1647a	MIOA1648a
MIOA1649a	MIOA1650a	MIOA1652a	MIOA1654a	MIOA1655a	MIOA1656a	MIOA1657a	MIOA1658a
MIOA1661a	MIOA1662a	MIOA1665a	MIOA1667a	MIOA1671a	MIOA1673a	MIOA1674a	MIOA1676a

Figure 8 - Continued

MIOA1677a	MIOA1679a	MIOA1685a	MIOA1686a	MIOA1687a	MIOA1689a	MIOA1690a	MIOA1693a
MIOA1695a	MIOA1697	MIOA1699	MIOA1701a	MIOA1706a	MIOA1708a	MIOA1711a	MIOA1714a
MIOA1715a	MIOA1716a	MIOA1717a	MIOA1719a	MIOA1723a	MIOA1726a	MIOA1729a	MIOA1731
MIOA1737	MIOA1743n	MIOA1745n	MIOA1750n	MIOA1752	MIOA1756	MIOA1757	MIOA1761
MIOA1763	MIOA1764	MIOA1765	MIOA1766	MIOA1767	MIOA1769	MIOA1773	MIOA1774
MIOA1775	MIOA1776	MIOA1777n	MIOA1778	MIOA1779	MIOA1780	MIOA1785	MIOA1791
MIOA1792	MIOA1794	MIOA1795	MIOA1797m	MIOA1798m	MIOA1800m	MIOA1802m	MIOA1803m
MIOA1811a	MIOA1818a	MIOA1819a	MIOA1822a	MIOA1827a	MIOA1828a	MIOA1830a	MIOA1832a
MIOA1834a	MIOA1835a	MIOA1839a	MIOA1840a	MIOA1841a	MIOA1844a	MIOA1845a	MIOA1847a
MIOA1848a	MIOA1849a	MIOA1851a	MIOA1852a	MIOA1854a	MIOA1856m	MIOA1857m	MIOA1864a
MIOA1868a	MIOA1870a	MIOA1871a	MIOA1874a	MIOA1881a	MIOA1882a	MIOA1885a	MIOA1887a
MIOA1889a	MIOA1890a	MIOA1891a	MIOA1894a	MIOA1896a	MIOA1897a	MIOA1899a	MIOA1900a
MIOA1901a	MIOA1903a	MIOA1906a	MIOA1907a	MIOA1910a	MIOA1913a	MIOA1914a	MIOA1915a
MIOA1916a	MIOA1920a	MIOA1921a	MIOA1922a	MIOA1923a	MIOA1927a	MIOA1928a	MIOA1930a
MIOA1932a	MIOA1933a	MIOA1934a	MIOA1935a	MIOA1936a	MIOA1939a	MIOA1941a	MIOA1942a
MIOA1944a	MIOA1947a	MIOA1948a	MIOA1949a	MIOA1952a	MIOA1953a	MIOA1955a	MIOA1963a
MIOA1965a	MIOA1966a	MIOA1967a	MIOA1971a	MIOA1978a	MIOA1979a	MIOA1980a	MIOA1981a
MIOA1982a	MIOA1984a	MIOA1985	MIOA1986	MIOA1991	MIOA1992	MIOA1994	MIOA1996
MIOA1997	MIOA2004	MIOA2006	MIOA2008	MIOA2009	MIOA2010	MIOA2013	MIOA2015
MIOA2021	MIOA2022	MIOA2028	MIOA2031	MIOA2032	MIOA2033	MIOA2035	MIOA2039
MIOA2042	MIOA2043	MIOA2044	MIOA2046	MIOA2050	MIOA2051	MIOA2054	MIOA2058
MIOA2059n	MIOA2060	MIOA2062	MIOA2063	MIOA2065	MIOA2068	MIOA2069	MIOA2070
MIOA2071	MIOA2073	MIOA2075	MIOA2076	MIOA2079n	MIOA2086	MIOA2087n	MIOA2090
MIOA2091	MIOA2092n	MIOA2093	MIOA2094	MIOA2097	MIOA2098	MIOA2103	MIOA2104
MIOA2106	MIOA2111	MIOA2112	MIOA2114	MIOA2116	MIOA2118	MIOA2122	MIOA2124
MIOA2125	MIOA2128	MIOA2137	MIOA2140	MIOA2142	MIOA2146	MIOA2147	MIOA2148
MIOA2149	MIOA2150	MIOA2152	MIOA2158a	MIOA2160a	MIOA2167a	MIOA2172a	MIOA2173a
MIOA2174a	MIOA2177a	MIOA2183a	MIOA2185a	MIOA2190a	MIOA2192a	MIOA2193a	MIOA2199a
MIOA2203a	MIOA2204a	MIOA2205a	MIOA2207a	MIOA2208a	MIOA2210a	MIOA2222a	MIOA2223a
MIOA2224a	MIOA2225a	MIOA2226a	MIOA2229a	MIOA2230a	MIOA2235a	MIOA2236a	MIOA2238a
MIOA2239a	MIOA2242a	MIOA2247a	MIOA2248a	MIOA2249a	MIOA2251a	MIOA2256a	MIOA2259a
MIOA2260a	MIOA2261a	MIOA2262a	MIOA2263a	MIOA2264a	MIOA2265a	MIOA2266a	MIOA2268a
MIOA2269a	MIOA2273a	MIOA2274a	MIOA2275a	MIOA2277a	MIOA2278a	MIOA2279a	MIOA2281a
MIOA2285a	MIOA2287a	MIOA2288a	MIOA2291a	MIOA2292a	MIOA2295a	MIOA2300a	MIOA2301a
MIOA2303a	MIOA2306a	MIOA2316a	MIOA2320a	MIOA2327a	MIOA2328a	MIOA2330a	MIOA2331a
MIOA2333a	MIOA2334a	MIOA2335a	MIOA2337a	MIOA2339a	MIOA2340a	MIOA2342a	MIOA2343a
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MIOA2361a	MIOA2363a	MIOA2364a	MIOA2366a	MIOA2368a	MIOA2372a	MIOA2373a	MIOA2374a
MIOA2375a	MIOA2377a	MIOA2379a	MIOA2381a	MIOA2384a	MIOA2385a	MIOA2386a	MIOA2388a
MIOA2393a	MIOA2394a	MIOA2395a	MIOA2398a	MIOA2399a	MIOA2400a	MIOA2402a	MIOA2409a
MIOA2412a	MIOA2413a	MIOA2421a	MIOA2423a	MIOA2424a	MIOA2425a	MIOA2426a	MIOA2427a
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MIOA2449a	MIOA2451a	MIOA2452a	MIOA2454a	MIOA2457a	MIOA2459a	MIOA2463a	MIOA2465a
MIOA2466a	MIOA2470a	MIOA2471a	MIOA2472a	MIOA2475a	MIOA2476a	MIOA2479a	MIOA2481a
MIOA2482a	MIOA2483a	MIOA2485a	MIOA2487a	MIOA2488a	MIOA2490a	MIOA2492a	MIOA2493a
MIOA2496a	MIOA2499a	MIOA2503a	MIOA2504a	MIOA2505a	MIOA2506a	MIOA2507a	MIOA2509a
MIOA2511a	MIOA2515a	MIOA2521a	MIOA2522a	MIOA2528a	MIOA2531a	MIOA2533a	MIOA2534a
MIOA2536a	MIOA2537a	MIOA2541a	MIOA2546a	MIOA2547a	MIOA2548a	MIOA2550a	MIOA2551a
MIOA2555a	MIOA2556a	MIOA2557a	MIOA2561a	MIOA2563a	MIOA2564a	MIOA2565a	MIOA2567a

Figure 8 - Continued

MIOA2568a	MIOA2570a	MIOA2573a	MIOA2574a	MIOA2575a	MIOA2576a	MIOA2577a	MIOA2580a
MIOA2584a	MIOA2587a	MIOA2589a	MIOA2596a	MIOA2598a	MIOA2601a	MIOA2604a	MIOA2606a
MIOA2607a	MIOA2608a	MIOA2609a	MIOA2615a	MIOA2616a	MIOA2618	MIOA2621	MIOA2622
MIOA2623	MIOA2624	MIOA2625	MIOA2626	MIOA2627	MIOA2629	MIOA2632	MIOA2635
MIOA2639	MIOA2642	MIOA2646	MIOA2647	MIOA2657a	MIOA2674a	MIOA2675a	MIOA2678a
MIOA2679a	MIOA2684a	MIOA2687a	MIOA2691a	MIOA2693a	MIOA2694a	MIOA2696a	MIOA2698a
MIOA2702a	MIOA2707a	MIOA2708a	MIOA2709a	MIOA2714a	MIOA2717a	MIOA2718a	MIOA2720a
MIOA2722a	MIOA2725a	MIOA2730a	MIOA2734a	MIOA2740a	MIOA2743a	MIOA2747a	MIOA2750a
MIOA2753a	MIOA2756a	MIOA2758a	MIOA2759a	MIOA2760a	MIOA2762a	MIOA2764a	MIOA2766a
MIOA2768a	MIOA2769a	MIOA2772a	MIOA2775a	MIOA2783a	MIOA2786a	MIOA2788a	MIOA2790a
MIOA2791a	MIOA2794a	MIOA2795a	MIOA2796a	MIOA2798a	MIOA2800a	MIOA2801a	MIOA2805a
MIOA2806a	MIOA2807a	MIOA2808a	MIOA2811a	MIOA2812a	MIOA2813a	MIOA2814a	MIOA2815a
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MIOA2844a	MIOA2846a	MIOA2848a	MIOA2851a	MIOA2852a	MIOA2853a	MIOA2854a	MIOA2856a
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MIOA2907a	MIOA2908a	MIOA2909a	MIOA2915a	MIOA2917a	MIOA2922a	MIOA2923a	MIOA2926a
MIOA2933a	MIOA2934a	MIOA2937a	MIOA2939a	MIOA2940a	MIOA2941a	MIOA2945a	MIOA2946a
MIOA2948a	MIOA2949a	MIOA2950a	MIOA2953a	MIOA2955a	MIOA2962a	MIOA2963a	MIOA2964a
MIOA2965a	MIOA2970a	MIOA2971a	MIOA2977a	MIOA2979a	MIOA2981a	MIOA2982a	MIOA2983a
MIOA2984a	MIOA2986a	MIOA2987a	MIOA2988a	MIOA2989a	MIOA2991a	MIOA2992a	MIOA2993a
MIOA2995a	MIOA2997a	MIOA2998a	MIOA2999a	MIOA3000a	MIOA3002a	MIOA3003a	MIOA3005a
MIOA3013a	MIOA3014a	MIOA3016a	MIOA3018a	MIOA3024a	MIOA3027a	MIOA3029a	MIOA3030a
MIOA3031a	MIOA3032a	MIOA3034a	MIOA3041a	MIOA3042a	MIOA3045a	MIOA3047a	MIOA3049a
MIOA3058a	MIOA3060a	MIOA3063a	MIOA3064a	MIOA3066a	MIOA3073a	MIOA3079a	MIOA3080a
MIOA3082a	MIOA3083a	MIOA3084a	MIOA3086a	MIOA3089a	MIOA3092a	MIOA3097a	MIOA3098a
MIOA3101a	MIOA3102a	MIOA3104a	MIOA3111a	MIOA3112a	MIOA3114a	MIOA3115a	MIOA3117a
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MIOA3251a	MIOA3252a	MIOA3254a	MIOA3255a	MIOA3259a	MIOA3262a	MIOA3265a	MIOA3266a
MIOA3268a	MIOA3269a	MIOA3271	MIOA3272	MIOA3274	MIOA3275	MIOA3276	MIOA3277
MIOA3278	MIOA3279a	MIOA3281a	MIOA3282a	MIOA3288a	MIOA3289a	MIOA3291a	MIOA3292a
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Figure 8 - Continued

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MIOA3658a	MIOA3661a	MIOA3662a	MIOA3665a	MIOA3666a	MIOA3668a	MIOA3669a	MIOA3670a
MIOA3672a	MIOA3673a	MIOA3674a	MIOA3675a	MIOA3677a	MIOA3678a	MIOA3679a	MIOA3680a
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MIOA3742a	MIOA3743a	MIOA3744a	MIOA3748a	MIOA3751a	MIOA3752a	MIOA3754a	MIOA3755a
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MIOA3772	MIOA3773	MIOA3775	MIOA3778	MIOA3780	MIOA3784	MIOA3786	MIOA3788
MIOA3790	MIOA3792	MIOA3793	MIOA3795	MIOA3796	MIOA3797	MIOA3799	MIOA3801
MIOA3803	MIOA3804	MIOA3805	MIOA3806	MIOA3807	MIOA3808	MIOA3811	MIOA3812
MIOA3814	MIOA3816	MIOA3819	MIOA3821	MIOA3822	MIOA3826	MIOA3828	MIOA3829
MIOA3830	MIOA3833	MIOA3835	MIOA3837	MIOA3838	MIOA3839	MIOA3840	MIOA3842
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MIOA4120	MIOA4121	MIOA4122	MIOA4128	MIOA4131	MIOA4134	MIOA4135	MIOA4136
MIOA4143	MIOA4144	MIOA4149	MIOA4150	MIOA4151	MIOA4156	MIOA4161	MIOA4164
MIOA4167	MIOA4168	MIOA4169	MIOA4170	MIOA4171	MIOA4173	MIOA4176	MIOA4177
MIOA4178	MIOA4179	MIOA4180	MIOA4184	MIOA4185	MIOA4186	MIOA4190	MIOA4191
MIOA4194	MIOA4196	MIOA4197	MIOA4204	MIOA4206	MIOA4212	MIOA4219	MIOA4224
MIOA4226	MIOA4229	MIOA4236	MIOA4238	MIOA4241	MIOA4242	MIOA4244	MIOA4245
MIOA4246	MIOA4247	MIOA4251	MIOA4252	MIOA4255	MIOA4258	MIOA4261	MIOA4264
MIOA4265	MIOA4267	MIOA4268	MIOA4269	MIOA4270	MIOA4272	MIOA4275	MIOA4276
MIOA4277	MIOA4278	MIOA4281	MIOA4285	MIOA4286	MIOA4287	MIOA4290a	MIOA4292a
MIOA4295a	MIOA4299a	MIOA4300a	MIOA4301a	MIOA4303a	MIOA4308a	MIOA4309a	MIOA4311a
MIOA4317a	MIOA4318a	MIOA4320a	MIOA4321a	MIOA4323a	MIOA4324a	MIOA4326a	MIOA4330a

Figure 8 - Continued

MIOA4332a	MIOA4336a	MIOA4338a	MIOA4339a	MIOA4342a	MIOA4346a	MIOA4347a	MIOA4348a
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MIOA4384a	MIOA4386	MIOA4387	MIOA4389	MIOA4390	MIOA4391	MIOA4394	MIOA4396
MIOA4403	MIOA4409	MIOA4410	MIOA4411	MIOA4417	MIOA4419	MIOA4421	MIOA4427
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MIOA4572a	MIOA4579a	MIOA4580a	MIOA4582a	MIOA4583a	MIOA4587a	MIOA4590a	MIOA4596a
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MIOA4619a	MIOA4621a	MIOA4622a	MIOA4626a	MIOA4627a	MIOA4628a	MIOA4630a	MIOA4632a
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MIOA4647a	MIOA4650a	MIOA4653a	MIOA4655a	MIOA4658a	MIOA4661a	MIOA4667a	MIOA4669a
MIOA4670a	MIOA4677	MIOA4678	MIOA4683	MIOA4686	MIOA4688	MIOA4690	MIOA4694
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MIOA4707	MIOA4711	MIOA4712	MIOA4713	MIOA4715	MIOA4716	MIOA4719	MIOA4721
MIOA4725	MIOA4730	MIOA4732	MIOA4734	MIOA4735	MIOA4736	MIOA4738	MIOA4739
MIOA4742	MIOA4744	MIOA4748	MIOA4749	MIOA4751	MIOA4753	MIOA4756	MIOA4759
MIOA4763	MIOA4764	MIOA4765	MIOA4766	MIOA4767	MIOA4769	MIOA4770	MIOA4771
MIOA4775	MIOA4776	MIOA4778	MIOA4779	MIOA4782a	MIOA4783a	MIOA4786a	MIOA4787a
MIOA4788a	MIOA4789a	MIOA4791a	MIOA4792a	MIOA4793a	MIOA4795a	MIOA4796a	MIOA4800a
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MIOA4824a	MIOA4826a	MIOA4827a	MIOA4829a	MIOA4830a	MIOA4834a	MIOA4838a	MIOA4845a
MIOA4846a	MIOA4849a	MIOA4850a	MIOA4852a	MIOA4854a	MIOA4855a	MIOA4864a	MIOA4868a
MIOA4869a	MIOA4874a	MIOA4877a	MIOA4880a	MIOA4883a	MIOA4884a	MIOA4885a	MIOA4886a
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MIOA4953a	MIOA4954a	MIOA4955a	MIOA4956a	MIOA4957a	MIOA4959a	MIOA4963a	MIOA4964a
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MIOA5013a	MIOA5014a	MIOA5015a	MIOA5016a	MIOA5017a	MIOA5018a	MIOA5020a	MIOA5021a
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MIOA5116a	MIOA5117a	MIOA5120a	MIOA5122a	MIOA5127a	MIOA5131a	MIOA5133a	MIOA5138a
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MIOA5165a	MIOA5170a	MIOA5171a	MIOA5172a	MIOA5173a	MIOA5176a	MIOA5178a	MIOA5180a
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MIOA5231a	MIOA5233a	MIOA5245a	MIOA5249a	MIOA5254a	MIOA5266a	MIOA5273a	MIOA5278a
MIOA5289a	MIOA5293a	MIOA5294a	MIOA5305a	MIOA5306a	MIOA5310a	MIOA5316a	MIOA5317a
MIOA5324a	MIOA5325a	MIOA5326a	MIOA5329a	MIOA5331a	MIOA5333a	MIOA5346a	MIOA5348a
MIOA5349a	MIOA5351a	MIOA5355a	MIOA5356a	MIOA5357a	MIOA5359a	MIOA5364a	MIOA5366a
MIOA5368a	MIOA5373a	MIOA5390a	MIOA5391a	MIOA5394a	MIOA5395a	MIOA5396a	MIOA5397a
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MIOA5420a	MIOA5421a	MIOA5422a	MIOA5427a	SEOA0002	SEOA0004	SEOA0005	SEOA0009
SEOA0010	SEOA0014	SEOA0017	SEOA0020	SEOA0021	SEOA0023	SEOA0024	SEOA0027
SEOA0028	SEOA0031	SEOA0033	SEOA0036	SEOA0037	SEOA0038	SEOA0039	SEOA0041n



Figure 8 - Continued

SEOA0045n	SEOA0046	SEOA0048	SEOA0051	SEOA0052n	SEOA0055	SEOA0057	SEOA0061
SEOA0064	SEOA0065	SEOA0066	SEOA0071	SEOA0072	SEOA0074	SEOA0076	SEOA0080
SEOA0082	SEOA0085	SEOA0088	SEOA0091n	SEOA0096n	SEOA0100	SEOA0101	SEOA0106
SEOA0107	SEOA0111	SEOA0114	SEOA0116	SEOA0118	SEOA0121	SEOA0124n	SEOA0125
SEOA0126	SEOA0127	SEOA0137	SEOA0138	SEOA0139	SEOA0145	SEOA0147	SEOA0149
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SEOA0310	SEOA0312	SEOA0315n	SEOA0316	SEOA0317	SEOA0318	SEOA0320	SEOA0325
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SEOA0418	SEOA0420	SEOA0422	SEOA0423	SEOA0424n	SEOA0425	SEOA0427	SEOA0437
SEOA0438	SEOA0441n	SEOA0444	SEOA0446	SEOA0449	SEOA0450	SEOA0451n	SEOA0455
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SEOA0473	SEOA0477	SEOA0479	SEOA0481	SEOA0483	SEOA0485	SEOA0486	SEOA0488
SEOA0492	SEOA0500	SEOA0501	SEOA0511	SEOA0512	SEOA0514	SEOA0515	SEOA0518
SEOA0519	SEOA0520	SEOA0524	SEOA0526	SEOA0528n	SEOA0529	SEOA0532	SEOA0534
SEOA0535	SEOA0536	SEOA0539n	SEOA0541n	SEOA0542n	SEOA0545A	SEOA0546A	SEOA0548A
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SEOA0759	SEOA0761	SEOA0769	SEOA0770	SEOA0772n	SEOA0775	SEOA0783	SEOA0784n
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SEOA1076a	SEOA1080a	SEOA1082a	SEOA1083a	SEOA1084a	SEOA1086a	SEOA1089a	SEOA1092a
SEOA1095a	SEOA1099a	SEOA1100a	SEOA1102a	SEOA1104a	SEOA1106a	SEOA1108a	SEOA1109a

Figure 8 - Continued

SEOA1114a	SEOA1116a	SEOA1128a	SEOA1130a	SEOA1132a	SEOA1134a	SEOA1137a	SEOA1141a
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SEOA1182A	SEOA1183A	SEOA1184A	SEOA1187a	SEOA1188A	SEOA1190A	SEOA1192A	SEOA1198A
SEOA1201A	SEOA1203A	SEOA1204A	SEOA1208A	SEOA1213A	SEOA1216A	SEOA1220A	SEOA1222A
SEOA1227A	SEOA1232A	SEOA1234A	SEOA1236A	SEOA1237A	SEOA1239A	SEOA1240A	SEOA1245A
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SEOA1522n	SEOA1523	SEOA1525	SEOA1526	SEOA1527n	SEOA1529	SEOA1532	SEOA1535
SEOA1536	SEOA1539	SEOA1541	SEOA1542	SEOA1543	SEOA1545	SEOA1546	SEOA1547
SEOA1551	SEOA1555	SEOA1563	SEOA1564	SEOA1566	SEOA1567	SEOA1570	SEOA1571
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SEOA1583a	SEOA1584a	SEOA1585a	SEOA1586a	SEOA1589a	SEOA1595a	SEOA1596a	SEOA1598a
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SEOA1621a	SEOA1623a	SEOA1629a	SEOA1631a	SEOA1632a	SEOA1634a	SEOA1635a	SEOA1640a
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SEOA1809a	SEOA1810a	SEOA1812a	SEOA1813a	SEOA1814a	SEOA1815a	SEOA1817a	SEOA1819a
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SEOA1897	SEOA1900n	SEOA1901	SEOA1902	SEOA1909	SEOA1912n	SEOA1913n	SEOA1914
SEOA1917	SEOA1921	SEOA1923	SEOA1924n	SEOA1925n	SEOA1932	SEOA1936	SEOA1940
SEOA1947	SEOA1954	SEOA1955	SEOA1964a	SEOA1965a	SEOA1969a	SEOA1971a	SEOA1977a
SEOA1979a	SEOA1980a	SEOA1983a	SEOA1988a	SEOA1991	SEOA1996	SEOA2000a	SEOA2004
SEOA2005	SEOA2006	SEOA2008	SEOA2012	SEOA2013	SEOA2015	SEOA2022	SEOA2025
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SEOA2054a	SEOA2056	SEOA2057	SEOA2058	SEOA2065	SEOA2067n	SEOA2068	SEOA2069
SEOA2072	SEOA2079	SEOA2084	SEOA2095	SEOA2096	SEOA2097n	SEOA2099	SEOA2100
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Figure 8 - Continued

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SEOA2349a	SEOA2351a	SEOA2355a	SEOA2358a	SEOA2361a	SEOA2363a	SEOA2369a	SEOA2371a
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SEOA2564	SEOA2566	SEOA2567	SEOA2572	SEOA2574	SEOA2575	SEOA2578	SEOA2579m
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SEOA2599m	SEOA2602	SEOA2603	SEOA2606m	SEOA2607m	SEOA2611	SEOA2612	SEOA2616
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SEOA2838	SEOA2839	SEOA2840	SEOA2846	SEOA2847n	SEOA2851	SEOA2853	SEOA2859
SEOA2862	SEOA2863	SEOA2868	SEOA2870	SEOA2874	SEOA2875	SEOA2876	SEOA2883n
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SEOA2974a	SEOA2975a	SEOA2978a	SEOA2979a	SEOA2981a	SEOA2985a	SEOA2986a	SEOA2990a
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SEOA3017a	SEOA3018a	SEOA3028a	SEOA3032a	SEOA3034a	SEOA3038a	SEOA3042a	SEOA3049a
SEOA3051a	SEOA3052a	SEOA3053a	SEOA3055a	SEOA3062a	SEOA3063a	SEOA3065a	SEOA3069a

Figure 8 - Continued

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SEOA3139	SEOA3140	SEOA3143	SEOA3144	SEOA3147	SEOA3153m	SEOA3156m	SEOA3157m
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SEOA3176m	SEOA3178m	SEOA3181	SEOA3184	SEOA3186	SEOA3188	SEOA3191	SEOA3196
SEOA3199m	SEOA3205	SEOA3209	SEOA3212	SEOA3216	SEOA3217	SEOA3219	SEOA3221m
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SEOA4022a	SEOA4025a	SEOA4029a	SEOA4034a	SEOA4035a	SEOA4037a	SEOA4040a	SEOA4043a
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Figure 8 - Continued

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SEOA4133a	SEOA4135a	SEOA4139a	SEOA4140a	SEOA4141a	SEOA4146a	SEOA4147a	SEOA4149a
SEOA4154a	SEOA4157a	SEOA4158a	SEOA4160a	SEOA4163a	SEOA4165a	SEOA4167a	SEOA4170a
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SEOA4754a	SEOA4756a	SEOA4767a	SEOA4768a	SEOA4771a	SEOA4772a	SEOA4773a	SEOA4778a
SEOA4780a	SEOA4783a	SEOA4785a	SEOA4786a	SEOA4791a	SEOA4795a	SEOA4796a	SEOA4798a
SEOA4802a	SEOA4806a	SEOA4808a	SEOA4809a	SEOA4810a	SEOA4811a	SEOA4815a	SEOA4816a
SEOA4818a	SEOA4822a	SEOA4829a	SEOA4830a	SEOA4834a	SEOA4837a	SEOA4839a	SEOA4840a
SEOA4846a	SEOA4847a	SEOA4849a	SEOA4857a	SEOA4858a	SEOA4860a	SEOA4862a	SEOA4867a
SEOA4868a	SEOA4869a	SEOA4870a	SEOA4873a	SEOA4875a	SEOA4876a	SEOA4878a	SEOA4879a
SEOA4880a	SEOA4883a	SEOA4886a	SEOA5010a	SEOA5035a	SEOA5036a	SEOA5038a	SEOA5043a
SEOA5047a	SEOA5048a	SEOA5055a	SEOA5057a	SEOA5058a	SEOA5060a	SEOA5068a	SEOA5074a
SEOA5077a	SEOA5078a	SEOA5082a	SEOA5085a	SEOA5088a	SEOA5089a	SEOA5090a	SEOA5094a
SEOA5098a	SEOA5103a	SEOA5105a	SEOA5110a	SEOA5114a	SEOA5115a	SEOA5116a	SEOA5121a
SEOA5127a	SEOA5128a	SEOA5136a	SEOA5138a	SEOA5146a	SEOA5148a	SEOA5151a	SEOA5153a
SEOA5156a	SEOA5157a	SEOA5162a	SEOA5163a	SEOA5164a	SEOA5166a	SEOA5170a	SEOA5176a
SEOA5196a	SEOA5202a	SEOA5203a	SEOA5209a	SEOA5211a	SEOA5212a	SEOA5214a	SEOA5220a
SEOA5223a	SEOA5227a	SEOA5228a	SEOA5229a	SEOA5232a	SEOA5234a	SEOA5235a	SEOA5239a
SEOA5245a	SEOA5246a	SEOA5249a	SEOA5253a	SEOA5258a	SEOA5265a	SEOA5267a	SEOA5270a
SEOA5272a	SEOA5273a	SEOA5275a	SEOA5277a	SEOA5278a	SEOA5279a	SEOA5281a	SEOA5282a
SEOA5285a	SEOA5286a	SEOA5291a	SEOA5294a	SEOA5299a	SEOA5300a	SEOA5302a	SEOA5311a

Figure 8 - Continued

SEOA5314a	SEOA5315a	SEOA5318a	SEOA5319a	SEOA5320a	SEOA5323a	SEOA5325a	SEOA5328a
SEOA5330a	SEOA5335a	SEOA5342	SEOA5343	SEOA5348	SEOA5351	SEOA5352	SEOA5356
SEOA5358	SEOA5359	SEOA5363	SEOA5365	SEOA5366	SEOA5368	SEOA5370	SEOA5371
SEOA5372	SEOA5376	SEOA5382	SEOA5386	SEOA5387	SEOA5388	SEOA5391	SEOA5393
SEOA5394	SEOA5395	SEOA5396	SEOA5403	SEOA5405	SEOA5413	SEOA5414	SEOA5415
SEOA5418	SEOA5422	SEOA5432	SEOA5433	SEOA5436	SEOA5442	SEOA5444	SEOA5445
SEOA5447	SEOA5448	SEOA5449	SEOA5450	SEOA5452	SEOA5453	SEOA5454	SEOA5455
SEOA5461	SEOA5463a	SEOA5464a	SEOA5465a	SEOA5468a	SEOA5469a	SEOA5473a	SEOA5475a
SEOA5478a	SEOA5479a	SEOA5483a	SEOA5489a	SEOA5491a	SEOA5493a	SEOA5498a	SEOA5502a
SEOA5503a	SEOA5504a	SEOA5508a	SEOA5509a	SEOA5520a	SEOA5522a	SEOA5525a	SEOA5527a
SEOA5528a	SEOA5530a	SEOA5533a	SEOA5537a	SEOA5540a	SEOA5543a	SEOA5544a	SEOA5546a
SEOA5549a	SEOA5552a	SEOA5554a	SEOA5556a	SEOA5557a	SEOA5559a	SEOA5563a	SEOA5567a
SEOA5572a	SEOA5575a	SEOA5577a	SEOA5580a	SEOA5583a	SEOA5584a	SEOA5586a	SEOA5588a
SEOA5590a	SEOA5592a	SEOA5595a	SEOA5596a	SEOA5597a	SEOA5603a	SEOA5605a	SEOA5606a
SEOA5612a	SEOA5613a	SEOA5616a	SEOA5621a	SEOA5622a	SEOA5623a	SEOA5627a	SEOA5636a
SEOA5637a	SEOA5640a	SEOA5641a	SEOA5642a	SEOA5644a	SEOA5646a	SEOA5649a	SEOA5651a
SEOA5655a	SEOA5656a	SEOA5658a	SEOA5662a	SEOA5664a	SEOA5665a	SEOA5670a	SEOA5671a
SEOA5675a	SEOA5677a	SEOA5678a	SEOA5679a	SEOA5680a	SEOA5681a	SEOA5682a	SEOA5683a
SEOA5685a	SEOA5687a	SEOA5689a	SEOA5691a	SEOA5694a	SEOA5697a	SEOA5698a	SEOA5699a
SEOA5703a	SEOA5710a	SEOA5714a	SEOA5717a	SEOA5720a	SEOA5721a	SEOA5723a	SEOA5731a
SEOA5733a	SEOA5734a	SEOA5736a	SEOA5741a	SEOA5742a	SEOA5743a	SEOA5744a	SEOA5746a
SEOA5748a	SEOA5749a	SEOA5750a	SEOA5753a	SEOA5755a	SEOA5757a	SEOA5759	SEOA5760
SEOA5762	SEOA5764	SEOA5765	SEOA5766	SEOA5767	SEOA5771	SEOA5774	SEOA5775
SEOA5777	SEOA5778	SEOA5780	SEOA5784	SEOA5785	SEOA5787	SEOA5790	SEOA5792
SEOA5793	SEOA5794	SEOA5795	SEOA5798	SEOA5799	SEOA5800	SEOA5801	SEOA5805
SEOA5807	SEOA5809	SEOA5811	SEOA5813	SEOA5815	SEOA5816	SEOA5817	SEOA5818
SEOA5820	SEOA5823	SEOA5826	SEOA5829	SEOA5830	SEOA5832	SEOA5833	SEOA5836
SEOA5838	SEOA5839	SEOA5841	SEOA5844	SEOA5845	SEOA5848	SEOA5849	SEOA5857
SEOA5858	SEOA5859	SEOA5863	SEOA5866	SEOA5868	SEOA5870	SEOA5871	SEOA5873
SEOA5876	SEOA5877	SEOA5878	SEOA5881	SEOA5887	SEOA5890	SEOA5894	SEOA5896
SEOA5900	SEOA5909	SEOA5911	SEOA5915	SEOA5917	SEOA5918	SEOA5924	SEOA5926
SEOA5927	SEOA5930	SEOA5932	SEOA5933	SEOA5935	SEOA5937	SEOA5938	SEOA5942
SEOA5945	SEOA5946	SEOA5950	SEOA5955	SEOA5958	SEOA5969a	SEOA5971a	SEOA5976a
SEOA5977a	SEOA5978a	SEOA5979a	SEOA5982a	SEOA5988a	SEOA5991a	SEOA5992a	SEOA5994a
SEOA6001a	SEOA6008a	SEOA6009a	SEOA6015a	SEOA6019a	SEOA6027a	SEOA6029a	SEOA6032a
SEOA6033a	SEOA6034a	SEOA6035a	SEOA6036a	SEOA6038a	SEOA6039a	SEOA6050a	SEOA6051a
SEOA6058a	SEOA6060a	SEOA6064a	SEOA6066a	SEOA6068a	SEOA6069a	SEOA6070a	SEOA6071a
SEOA6075a	SEOA6078a	SEOA6080a	SEOA6082a	SEOA6084a	SEOA6087a	SEOA6088a	SEOA6090a
SEOA6091a	SEOA6093a	SEOA6095a	SEOA6099a	SEOA6100a	SEOA6102a	SEOA6103a	SEOA6106a
SEOA6107a	SEOA6108a	SEOA6114a	SEOA6115a	SEOA6118a	SEOA6119a	SEOA6123a	SEOA6129a
SEOA6130a	SEOA6132a	SEOA6134a	SEOA6136a	SEOA6137a	SEOA6140a	SEOA6143a	SEOA6144a
SEOA6146a	SEOA6150a	SEOA6151a	SEOA6152a	SEOA6155a	SEOA6156a	SEOA6160a	SEOA6161a
SEOA6163a	SEOA6164a	SEOA6166a	SEOA6168a	SEOA6172a	SEOA6174a	SEOA6175a	SEOA6177a
SEOA6178a	SEOA6181a	SEOA6183a	SEOA6184a	SEOA6189a	SEOA6191a	SEOA6192a	SEOA6193a
SEOA6198a	SEOA6201a	SEOA6203a	SEOA6210a	SEOA6220	SEOA6221	SEOA6223	SEOA6226
SEOA6229	SEOA6230	SEOA6231	SEOA6234	SEOA6235	SEOA6241	SEOA6246	SEOA6248
SEOA6249	SEOA6253	SEOA6254	SEOA6255	SEOA6260	SEOA6261	SEOA6262	SEOA6265
SEOA6267	SEOA6270	SEOA6271	SEOA6273	SEOA6277	SEOA6281	SEOA6284	SEOA6286
SEOA6287	SEOA6289	SEOA6293	SEOA6295	SEOA6296	SEOA6299	SEOA6304	SEOA6308

Figure 8 - Continued

SEOA6311	SEOA6313	SEOA6314	SEOA6315	SEOA6316	SEOA6317	SEOA6323	SEOA6332
SEOA6334	SEOA6337	SEOA6342	SEOA6344	SEOA6345	SEOA6346	SEOA6347	SEOA6355
SEOA6357	SEOA6358	SEOA6359	SEOA6360	SEOA6363	SEOA6364	SEOA6365	SEOA6367
SEOA6371	SEOA6373	SEOA6374	SEOA6377	SEOA6379	SEOA6386	SEOA6387	SEOA6389
SEOA6390	SEOA6391	SEOA6392	SEOA6393	SEOA6395	SEOA6397	SEOA6398	SEOA6399
SEOA6400	SEOA6401	SEOA6402	SEOA6404	SEOA6405	SEOA6413	SEOA6414	SEOA6419
SEOA6421	SEOA6423	SEOA6426	SEOA6429	SEOA6432	SEOA6433	SEOA6434	SEOA6435
SEOA6445a	SEOA6449a	SEOA6450a	SEOA6452a	SEOA6453a	SEOA6454a	SEOA6456a	SEOA6466a
SEOA6470a	SEOA6476a	SEOA6479a	SEOA6481a	SEOA6484a	SEOA6487a	SEOA6490a	SEOA6491a
SEOA6493a	SEOA6494a	SEOA6503a	SEOA6505a	SEOA6508a	SEOA6510a	SEOA6512a	SEOA6514a
SEOA6516a	SEOA6517a	SEOA6519a	SEOA6521a	SEOA6523a	SEOA6524a	SEOA6526a	SEOA6528a
SEOA6532a	SEOA6536a	SEOA6539a	SEOA6540a	SEOA6541a	SEOA6543a	SEOA6550a	SEOA6552a
SEOA6553a	SEOA6554a	SEOA6556a	SEOA6563a	SEOA6564a	SEOA6565a	SEOA6567a	SEOA6571a
SEOA6572a	SEOA6573a	SEOA6574a	SEOA6575a	SEOA6579a	SEOA6580a	SEOA6583a	SEOA6591a
SEOA6594a	SEOA6607a	SEOA6608a	SEOA6610a	SEOA6612a	SEOA6613a	SEOA6614a	SEOA6615a
SEOA6617a	SEOA6620a	SEOA6621a	SEOA6622a	SEOA6624a	SEOA6626a	SEOA6630a	SEOA6632a
SEOA6633a	SEOA6637a	SEOA6638a	SEOA6642a	SEOA6643a	SEOA6645a	SEOA6647a	SEOA6650a
SEOA6651a	SEOA6652a	SEOA6654a	SEOA6657a	SEOA6658a	SEOA6661a	SEOA6664a	SEOA6671a
SEOA6672a	SEOA6674a	SEOA6675a	SEOA6676a	SEOA6677a	SEOA6682a	SEOA6685a	SEOA6686a
SEOA6687a	SEOA6693a	SEOA6694a	SEOA6695a	SEOA6696a	SEOA6697a	SEOA6698a	SEOA6701a
SEOA6702a	SEOA6704a	SEOA6705a	SEOA6711	SEOA6718	SEOA6721	SEOA6723	SEOA6724
SEOA6726	SEOA6728	SEOA6730	SEOA6731	SEOA6732	SEOA6733	SEOA6734	SEOA6736
SEOA6739	SEOA6743	SEOA6745	SEOA6747	SEOA6748	SEOA6750	SEOA6751	SEOA6752
SEOA6753	SEOA6754	SEOA7061a	SEOA7064a	SEOA7066a	SEOA7069a	SEOA7072a	SEOA7074a
SEOA7075a	SEOA7077a	SEOA7078a	SEOA7085a	SEOA7086a	SEOA7091a	SEOA7094a	SEOA7095a
SEOA7098a	SEOA7099a	SEOA7109a	SEOA7110a	SEOA7114a	SEOA7123a	SEOA7126a	SEOA7129a
SEOA7133a	SEOA7135a	SEOA7146a	SEOA7147a	SEOA7151a	SEOA7153a	SEOA7155a	SEOA7157a
SEOA7159a	SEOA7160a	SEOA7166a	SEOA7167a	SEOA7174a	SEOA7175a	SEOA7177a	SEOA7178a
SEOA7181a	SEOA7184a	SEOA7186a	SEOA7187a	SEOA7188a	SEOA7190a	SEOA7192a	SEOA7196a
SEOA7197a	SEOA7199a	SEOA7201a	SEOA7204a	SEOA7206a	SEOA7211a	SEOA7212a	SEOA7213a
SEOA7214a	SEOA7216a	SEOA7218a	SEOA7220a	SEOA7223a	SEOA7225a	SEOA7226a	SEOA7228a
SEOA7229a	SEOA7231a	SEOA7239a	SEOA7240a	SEOA7244a	SEOA7245a	SEOA7249a	SEOA7250a
SEOA7251a	SEOA7256a	SEOA7257a	SEOA7261a	SEOA7263a	SEOA7268a	SEOA7271a	SEOA7272a
SEOA7274a	SEOA7277a	SEOA7278a	SEOA7281a	SEOA7286a	SEOA7289a	SEOA7294a	SEOA7295a
SEOA7296a	SEOA7298a	SEOA7299a	SEOA7300a	SEOA7301a	SEOA7313a	SEOA7314a	SEOA7315a
SEOA7316a	SEOA7317a	SEOA7318a	SEOA7320a	SEOA7322a	SEOA7324a	SEOA7328a	SEOA7334a
SEOA7335a	SEOA7337a	SEOA7341a	SEOA7342a	SEOA7344a	SEOA7352a	SEOA7361a	SEOA7365a
SEOA7366a	SEOA7369a	SEOA7373a	SEOA7378a	SEOA7380a	SEOA7383a	SEOA7385a	SEOA7386a
SEOA7387a	SEOA7390a	SEOA7393a	SEOA7394a	SEOA7399a	SEOA7403a	SEOA7404a	SEOA7408a
SEOA7411a	SEOA7415a	SEOA7416a	SEOA7417a	SEOA7419a	SEOA7421a	SEOA7422a	SEOA7433a
SEOA7436a	SEOA7442a	SEOA7443a	SEOA7444a	SEOA7448a	SEOA7449a	SEOA7451a	SEOA7453a
SEOA7455a	SEOA7458a	SEOA7459a	SEOA7460a	SEOA7466a	SEOA7467a	SEOA7471a	SEOA7472a
SEOA7474a	SEOA7476a	SEOA7477a	SEOA7478a	SEOA7481a	SEOA7483a	SEOA7484a	SEOA7485a
SEOA7487a	SEOA7489a	SEOA7496a	SEOA7500a	SEOA7503a	SEOA7504a	SEOA7509a	SEOA7511a
SEOA7517a	SEOA7519a	SEOA7521a	SEOA7522a	SEOA7523a	SEOA7524a	SEOA7526a	SEOA7535a
SEOA7536a	SEOA7541a	SEOA7542a	SEOA7543a	SEOA7544a	SEOA7546a	SEOA7547a	SEOA7549a
SEOA7551a	SEOA7552a	SEOA7553a	SEOA7555a	SEOA7563a	SEOA7564a	SEOA7565a	SEOA7571a
SEOA7573a	SEOA7574a	SEOA7577a	SEOA7580a	SEOA7582a	SEOA7583a	SEOA7584a	SEOA7587a
SEOA7589a	SEOA7595a	SEOA7602a	SEOA7603a	SEOA7605a	SEOA7607a	SEOA7608a	SEOA7610a



Figure 8 - Continued

SEOA7612a	SEOA7615a	SEOA7620a	SEOA7622a	SEOA7623a	SEOA7624a	SEOA7629a	SEOA7633a
SEOA7635a	SEOA7639a	SEOA7640a	SEOA7642a	SEOA7643a	SEOA7645a	SEOA7647a	SEOA7648a
SEOA7649a	SEOA7651a	SEOA7652a	SEOA7653a	SEOA7655a	SEOA7659a	SEOA7662a	SEOA7666a
SEOA7668a	SEOA7669a	SEOA7672a	SEOA7675a	SEOA7676a	SEOA7892a	SEOA7899a	SEOA7902a
SEOA7910a	SEOA7914a	SEOA7915a	SEOA7917a	SEOA7918a	SEOA7919a	SEOA7920a	SEOA7924a
SEOA7926a	SEOA7928a	SEOA7929a	SEOA7930a	SEOA7931a	SEOA7933a	SEOA7935a	SEOA7940a
SEOA7943a	SEOA7945a	SEOA7948a	SEOA7951a	SEOA7952a	SEOA7953a	SEOA8165a	SEOA8167a
SEOA8171a	SEOA8173a	SEOA8174a	SEOA8177a	SEOA8179a	SEOA8186a	SEOA8187a	SEOA8188a
SEOA8191a	SEOA8195a	SEOA8199a	SEOA8200a	SEOA8202a	SEOA8306a	SEOA8310a	SEOA8313a
SEOA8317a	SEOA8321a	SEOA8323a	SEOA8324a	SEOA8327a	SEOA8331a	SEOA8334a	SEOA8335a
SEOA8343a	SEOA8347a	SEOA8351a	SEOA8354a	SEOA8355a	SEOA8357a	SEOA8358a	SEOA8359a
SEOA8360a	SEOA8361a	SEOA8364a	SEOA8366a	SEOA8370a	SEOA8371a	SEOA8372a	SEOA8374a
SEOA8377a	SEOA8383a	SEOA8384a	SEOA8387a	SEOA8388a	SEOA8389a	SEOA8391a	SEOA8392a
SEOA8393a	SEOA8395a	SEOA8396a	SEOA8397a	SEOA8399a	SEOA8401a	SEOA8406a	SEOA8407a



Figure 9 - Candidate Upregulated Genes in Mild OA Library

No.	Sequence Name	Gene Name	Accession Number
1	SEOA0290	No sequence match	
2	MIOA0601a	Beta-globin	emb V00497
3	MIOA4572a	Cytochrome b-245, beta polypeptide (chronic granulomatous disease) (CYBB) (=X04011)	gi 4557506
4	SEOA4040a	Class II invariant gamma-chain	emb X03340
5	MIOA1839a	Thymosin beta-4	gb M17733
6	SEOA3887	EST(nz80g08.s1 NCI_CGAP_GCB1 clone IMAGE:1301822)	gb AA767226
7	SEOA3860	EST(tm54e09.x1 NCI_CGAP_Kid11 clone IMAGE:2161960 3' contains Alu repeat)	gb AI478625.1
8	SEOA0200A	Ia-associated invariant gamma-chain gene	gb M13560
9	SEOA3935	DNA sequence (UWGC:y18c282 from 6p21)	gb AC004190
10	SEOA0174a	Promyelocytic leukemia cell	gb M11948
11	MIOA2983a	Megakaryocyte stimulating factor	gb U70136
12	SEOA3648a	Ribosomal protein S23	dbj AB007158
13	SEOA2970a	Major histocompatibility class II antigen gamma chain	gb K01144
14	MIOA3581a	EST(om82e10.s1 NCI_CGAP_Kid3 clone IMAGE:1553706 3')	gb AA983535
15	MIOA0682n	DNA sequence (HS_3009_A2_C04_T7 CIT Approved Human Genomic Sperm Library D)	gb AQ130698
16	SEOA4204a	Monocyte chemotactic protein-3 (MCP-3)	X72308
17	SEOA4214a	EST zt99d07.r1 Soares testis NHT cDNA clone 730477 5'	AA412384
18	MIOA1996	DNA sequence (Chromosome X)	gb AC002416
19	SEOA4382a	Vacuolar H(+) -ATPase subunit mRNA, complete cds	AF038954
20	MIOA1556	MHC class I HLA-C-alpha-2 chain	gb M24097
21	MIOA2114	No sequence match	
22	MIOA3163a	Stearoyl-CoA desaturase (SCD)	gb AF097514.1
23	MIOA2451a	Adipocyte lipid-binding protein	gb J02874
24	SEOA0279	S100E calcium binding protein	emb Z18950
25	MIOA5127a	EST ng06h03.s1 NCI_CGAP_Li1 IMAGE:928661	AA501695
26	SEOA2892a	Fc-gamma-receptorIIb(FCGR3B)	gb M90746
27	SEOA3665a	Growth arrest and DNA-damage-inducible protein (gadd45)	gb M60974
28	SEOA1448a	MHC class I HLA-Bw62, haplotype A1/A2,B8/Bw62,Cw3/Cw7 (clone pMF28)	gb M28204
29	MIOA1773	EST(zc34b09.s1 Soares senescent fibroblasts NbHSF clone 324185 3')	gb W47478
30	SEOA2833n	Hypothetical protein cDNA DKFZp586J021 similar to Cavia porcellus metalloproteinase inhibitor TIMP-2 mRNA, complete cds(AF127803.1)	AL110197.1
31	MIOA4827a	mRNA expressed only in placental villi, clone SMAP47	AB019564
32	SEOA2974a	Metalloproteinase inhibitor TIMP-2	gb AF127803.1
33	MIOA2436a	EST(nc50d05.r1 NCI_CGAP_Pr3 clone IMAGE:1011561 contains Alu repeat)	gb AA229076
34	MIOA4601a	Cytochrome c oxidase subunit II gene (ORF), mitochondrial gene encoding mitochondrial protein,	AF004339
35	SEOA0409	NADH dehydrogenase subunit 2 (ND2)	gb AF014897.2
36	MIOA0501	DNA sequence (clone 1000E10 on chromosome 1p12-13.3)	emb AL096773.6

Median ratio is equal to or greater than 2.0

\* detected only in severe OA library by EST analysis, i.e. not detected in mild OA library

\*\* observed to have higher expression in severe OA library as compared to mild OA library by EST analysis

Figure 10 - Candidate Downregulated Genes in Mild OA Library

No.	Sequence Name	Gene Name	Accession Number
1	SEOA0866	EST (wj34b11.x1 NCI CGAP Kid12 clone IMAGE:2404701 3')	gb AI816793.1
2	seoa1145a	small acidic protein	gb U51678
3	seoa1596a	B-cell translocation protein 1 (BTG1)	emb X61123
4	seoa1300a	osteopontin	dbj D14813
5	SEOA2136	EST(EST78578 Pineal gland 1 5')	gb AA367442
6	seoa2534	EST(zk86d01.s1 Soares pregnant uterus NbHPU clone 489697 3')	gb AA099585
7	seoa2358a	vimentin (HuVim3)	gb M25246
8	seoa5366	tenascin= hexabrachion	emb X56160
9	seoa5498a	EST(ol31g10.s1 Soares_NFL_T_GBC_S1 clone IMAGE:1525122 3')	gb AA913562
10	seoa5694a	EST(wk80f06.x1 NCI CGAP Pan1 clone IMAGE:2421731 3')	gb AI813984.1
11	seoa5932	EST(tg37c12.x1 Soares_NFL_T_GBC_S1 clone IMAGE:2110966 3')	gb AI418593
12	MIOA0764	Novel	
13	seoa7289a	EST(df04e10.y1 Morton Fetal Cochlea clone IMAGE:2482675 5')	gb AW020116.1
14	mioa1647a	EST(wg44e11.x1 Soares_NSF_F8_9W_OT_PA_P_S1 clone IMAGE:2367980 3')	gb AI742654.1
15	mioa1677a	EST(ok24e10.s1 Soares_NSF_F8_9W_OT_PA_P_S1 clone IMAGE:1508778 3')	gb AA897786
16	mioa3124a	EST(df19f04.y1 Morton Fetal Cochlea clone IMAGE:2483862 5')	gb AW021164.1
17	mioa2454a	EST(wj32h12.x1 NCI CGAP Kid12 clone IMAGE:2404583 3')	gb AI819228.1
18	mioa2678a	EST(yo59a03.r1 clone 182188 5')	gb H30104
19	mioa3277	EST(zx10c10.s1 Soares total fetus Nb2HF8 9w clone 786066 3')	gb AA448648
20	mioa3473a	Id-2H	dbj D13891
21	mioa3872	DNA sequence (CpG island DNA genomic Mse1 fragment, clone 70g11, reverse read cpg70g11.r1a)	emb Z62622
22	mioa4394	EST yd36b07.r1 cDNA clone 110293 5'	T82005
23	mioa3873	DNA sequence (DKFZp586P2421 clone DKFZp586P2421)	emb AL110267.1
24	mioa4311a	EST(aorta GEN-204H02 5')	dbj D61737
25	seoa0890n	chitinase precursor (HUMTCHIT)	gb U58514
26	SEOA1380	EST(yh88a12.s1 clone 136798 3')	gb R36451
27	SEOA1523	Novel	
28	SEOA1914	Novel	
29	seoa2979a	connective tissue growth factor	gb U14750
30	seoa3740a	EST(tm33a02.x1 NCI CGAP Kid11 clone IMAGE:2159882 3')	gb AI480082.1
31	seoa5267a	ribonuclease, RNase A family, 4 (RNASE4), =D37931	NM_002937.1
32	seoa6160a	EST(qt26b11.x1 Soares_pregnant_uterus_NbHPU clone IMAGE:1949085 3')	gb AI342123
33	seoa6647a	EST(zd17g02.s1 Soares fetal heart NbHH19W clone 340946 3')	gb W57810
34	seoa6721	EST(yw24e10.r1 clone 253194 5')	gb H88893
35	mioa0074a	EST (tm33a02.x1 NCI CGAP Kid11 clone IMAGE:2159882 3')	gb AI480082.1
36	MIOA0751	EST (aorta GEN-233F03 5')	dbj D62028
37	mioa1414	EST(EST98866 Thyroid 5')	gb AA385002
38	mioa1560	Novel	
39	mioa1690a	EST (tz92d08.x1 NCI CGAP Kid11 clone IMAGE:2296047 3')	gb AI636068.1
40	mioa1542m	EST yw36b06.s1 cDNA clone 254291 3'	N22257
41	mioa1841a	EST(tj57e04.x1 Soares_NSF_F8_9W_OT_PA_P_S1 clone IMAGE:2145630 3' contains Alu repeat)	gb AI453569
42	mioa1737	EST(zw18b09.s1 Soares ovary tumor NbHOT clone 769625 3' contains L1.t1 MER12 repeat)	gb AA428305
43	mioa2568a	osteoinductive factor OIF	gb AF100758.1
44	mioa2564a	EST(tm33a02.x1 NCI CGAP Kid11 clone IMAGE:2159882 3')	gb AI480082.1
45	mioa2398a	collagen alpha-1 type XI (COL11A1)	gb J04177
46	mioa4136	EST qe49g12.x1 Soares_fetal_lung_NbHL19W IMAGE:1742374 3'	AI185817
47	mioa4587a	Novel	

Median ratio is equal to or less than 0.2

Figure 11 - Candidate Upregulated Genes in Severe OA Library

Sequence Name	Gene Name	Accession Number
MIOA5310a	Proline arginine-rich end leucine-rich repeat protein (PRELP) =U29089 (ORF)	NM_002725.1
MIOA4136	EST qe49g12.x1 Soares_fetal_lung_NbHL19W IMAGE:1742374 3'	AI185817
MIOA4421	EST zx10c10.r1 Soares total fetus Nb2HF8 9w cDNA clone 786066 5'	AA448744
MIOA4206	EST th94b03.x1 Soares_NSF_F8_9W_OT_PA_P_S1 IMAGE:2126285 3'	AI435406
MIOA3944a	RASF-A PLA2 (synovial phospholipase)	gb M22431
MIOA3807	DNA sequence (clone 23767 and 23782)	gb AF007150
MIOA2564a	EST(tm33a02.x1 NCI_CGAP_Kid11 clone IMAGE:2159882 3')	gb AI480082.1
MIOA1841a	EST(tj57e04.x1 Soares_NSF_F8_9W_OT_PA_P_S1 clone IMAGE:2145630 3' contains Alu repeat)	gb AI453569
MIOA1542m	EST yw36b06.s1 cDNA clone 254291 3'	N22257
MIOA1690a	EST(tz92d08.x1 NCI_CGAP_Kid11 clone IMAGE:2296047 3')	gb AI636068.1
MIOA1134	Novel	
MIOA0751	EST (aorta GEN-233F03 5')	dbj D62028
SEOA3836	Novel	
MIOA0074a	EST (tm33a02.x1 NCI_CGAP_Kid11 clone IMAGE:2159882 3')	gb AI480082.1
SEOA7373a	Hypothetical protein (KIAA0693)	dbj AB014593
SEOA3740a	EST(tm33a02.x1 NCI_CGAP_Kid11 clone IMAGE:2159882 3')	gb AI480082.1
SEOA3924	Novel	
SEOA3543a	EST(zl07g07.r1 NCI_CGAP_GCB1 clone IMAGE:712476 5')	gb AA280112
SEOA3739a	Chondroitin/dermatan sulfate proteoglycan (PG40) core protein (decorin)	gb M14219
SEOA3766a	SP40,40 (=M63379 TRPM-2 protein)	gb L00974
SEOA3538a	YKL-39 precursor (=U58514 chitinase precursor)	gb U49835
SEOA2603	Novel	
SEOA0890n	Chitinase precursor (HUMTCHIT)	gb U58514
MIOA4567a	Hypothetical protein (KIAA0062)	dbj D31887
SEOA3556a	Maternal-embryonic 3 (Mem3)	gb U47024
MIOA3872	Ribosomal protein S29	NM_001032
MIOA2678a	EST(yo59a03.r1 clone 182188 5')	gb H30104
MIOA2561a	EST(df04e10.y1 Morton Fetal Cochlea clone IMAGE:2482675 5')	gb AW020116.1
MIOA0958	EST (aorta GEN-328B10 5')	dbj D62811
SEOA7289a	EST(df04e10.y1 Morton Fetal Cochlea clone IMAGE:2482675 5')	gb AW020116.1
SEOA2358a	Vimentin (HuVim3)	gb M25246
SEOA2986a	DNA sequence (chromosome 6 clone 608E8)	emb AL022343.5
SEOA2136	EST(EST78578 Pineal gland 1 5')	gb AA367442
SEOA1300a	Osteopontin	dbj D14813
SEOA0379	integral membrane serine protease Seprase	gb U76833
SEOA0218a	Hexabrachion (HXB) (=tenascin)	gb M55618
SEOA1403	Phospholipase A2, membrane associated precursor	sp P14555
SEOA0866	EST (wj34b11.x1 NCI_CGAP_Kid12 clone IMAGE:2404701 3')	gb AI816793.1

in ratio is equal to or greater than 2.0

ected only in severe OA library by EST analysis and not in mild OA library

erved to have higher expression in severe OA library as compared to mild OA library by EST analysis

Figure 12 - Candidate Downregulated Genes in Severe OA Library

No.	Sequence Name	Gene Name	Accession Number
1	seoa0541n	DNA sequence (chromosome 21q22.1, D21S226-AML region, clone B2344F14-f50E8, segment 5/9)	dbj AP000169.1
2	mioa1561	EST(zp01h08.r1 Stratagene ovarian cancer (#937219) clone 595167 5')	gb AA174046
3	mioa2531a	high endothelial venule	emb x82157
4	SEOA0200A	Ia-associated invariant gamma-chain gene	gb M13560
5	seoa0174a	promyelocytic leukemia cell	gb M11948
6	seoa3935	DNA sequence (UWGC:y18c282 from 6p21)	gb AC004190
7	mioa1839a	thymosin beta-4	gb M17733
8	mioa2451a	adipocyte lipid-binding protein	gb J02874
9	mioa3765	selenoprotein P	emb Z11793
10	MIOA1605A	hypothetical protein (clone PLACE1005187) (weakly similar to APAG PROTEIN)	dbj AK001943.1
11	seoa3472a	MHC class II HLA-DR-beta-1 (HLA-DRB1)	gb M33600
12	seoa3887	EST(nz80g08.s1 NCI CGAP_GCB1 clone IMAGE:1301822)	gb AA767226
13	mioa0682n	DNA sequence (HS_3009_A2_C04_T7 CIT Approved Human Genomic Sperm Library D)	gb AQ130698
14	mioa2963a	heparin-binding EGF-like growth factor	gb M60278
15	mioa2223a	EST(zd60a07.r1 Soares fetal heart NbHH19W clone 345012 5')	gb W76307
16	seoa2892a	Fc-gamma-receptorIIIB(FCGR3B)	gb M90746
17	mioa1556	MHC class I HLA-C-alpha-2 chain	gb M24097
18	mioa2983a	megakaryocyte stimulating factor	gb U70136
19	mioa0601a	beta-globin	emb V00497
20	mioa1750n	Novel	
21	mioa4572a	cytochrome b-245, beta polypeptide (chronic granulomatous disease) (CYBB) (=X04011)	gi 4557506
22	seoa1448a	MHC class I HLA-Bw62, haplotype A1/A2,B8/Bw62,Cw3/Cw7 (clone pMF28)	gb M28204
23	mioa3754a	EST(wj18b08.x1 NCI CGAP_Kid12 clone IMAGE:2403159 3')	gb AI796445.1
24	mioa2499a	DNA sequence (chromosome 17, clone hRPK.259_G_18)	gb AC005829
25	mioa2642	lipoprotein lipase	gb M15856
26	mioa1803m	EST yq20a12.s1 Soares fetal liver spleen 1NFLS cDNA clone 274102 3'	H49472
27	mioa1555	EST(yj10e03.r1 clone 148348 5')	gb H13072
28	mioa2238a	DNA sequence (BAC clone RG118P15 from 8q21)	gb AC005066
29	mioa3149a	DNA sequence (HS_5336_B2_E05_T7A RPCI-11 Male BAC Library)	gb AQ569402.1
30	seoa6514a	Novel	
31	mioa1996	DNA sequence (Chromosome X)	gb AC002416
32	mioa3657a	unnamed protein product	dbj AK001832
33	SEOA0759	DNA sequence (BAC clone NH0494A09 from 7p21-p15.1)	gb AC006381
34	seoa3949a	transmembrane protein with EGF-like and two follistatin-like domains 1 (TMEFF1)	gb U19878
35	mioa2635	Sec62 (Sec62)	gb U93239
36	mioa3163a	stearoyl-CoA desaturase (SCD)	gb AF097514.1
37	mioa2292a	caldesmon	gb M64110
38	mioa1777n	EST (ng20f01.s1 NCI CGAP_Ov2 clone IMAGE:929977)	gb AA503150
39	seoa3993a	uncharacterized protein	dbj AK001049
40	mioa1582	EST(qb82d07.x1 Soares_fetal_heart_NbHH19W clone IMAGE:1706605 3')	gb AI131563
41	mioa4114	unnamed protein product (ORF)	AK001925
42	mioa1737	EST(zw18b09.s1 Soares ovary tumor NbHOT clone 769625 3' contains L1.t1 MER12 repeat)	gb AA428305
43	mioa2608a	EST(as39c11.x1 Barstead aorta HPLRB6 clone IMAGE:2319572 3')	gb AI708684.1
44	SEOA1526	EST (EST100124 Pancreas tumor 1 5')	gb AA284981
45	seoa2826	Novel	
46	SEOA0427	EST (zo25g06.s1 Stratagene colon (#937204) clone 587962 3')	gb AA135431
47	mioa1479m	unnamed protein product (ORF)	AK001241
48	SEOA0913	antigen (p24/CD9)	gb L34068
49	seoa3794a	Novel	
50	mioa1719a	Novel	
51	seoa3563a	CD59 protein	emb Z14115

Median ratio is equal to or less than 0.2

Figure 13 - List of Novel Sequence Names

bfcn0190n	56	fcf6825	111	hfcf1523	166	hfcf7359	221	MIOA0954
BFCN0252	57	FCR6908	112	hfcf1541	167	hfcf7407	222	mioa1072
bfcf0049	58	fcf7232	113	hfcf1549	168	hfcf7575	223	MIOA1078
bfcf0311	59	fcf7238	114	hfcf1552	169	hfcf7628	224	MIOA1081
BFCW0074	60	FCR7315	115	hfcf1554	170	hfcf7710	225	MIOA1084
bfcw0312n	61	fcf7325	116	hfcf1555	171	hfcf7795	226	MIOA1094
contigmar22-010017	62	FCR7368	117	hfcf1581	172	hfcf7984	227	MIOA1136
cr0304	63	FCR7370	118	hfcf1596	173	hfcf8005	228	mioa1212
cr0506	64	fcf7387	119	hfcf1603	174	hfcf8046	229	MIOA1259
cr0517	65	FCR7388	120	hfcf1611	175	hfcf8190	230	MIOA1267
FCR0196	66	FCR7446	121	hfcf1612	176	hfcf8237	231	mioa1339a
fcf0356n	67	FCR7549	122	hfcf1613	177	hfcf8378	232	mioa1434
fcf0434	68	FCR7637	123	hfcf1620	178	hfcf8634	233	MIOA1459
FCR0680	69	fcf7731	124	hfcf1621	179	hfcf8691	234	mioa1463
FCR0708	70	fcfb0045	125	hfcf1626	180	hfcf8699	235	MIOA1765
FCR1090	71	fcfb0205	126	hfcf1627	181	hfcf8702	236	MIOA2033
fcf1220nn	72	fcfb0280	127	hfcf1628	182	hfcf8709	237	MIOA2114
fcf1418	73	fcfb0350	128	hfcf1630	183	hfcf8713	238	mioa2476a
fcf1440	74	fcfb0363	129	hfcf1631	184	hfcf8716	239	mioa3098a
fcf1597	75	fcfb0613	130	hfcf1640	185	hfcf8723	240	mioa3701a
fcf1821nn	76	fcfb0620	131	hfcf1672	186	hfcf8728	241	mioa3881a
fcf1965	77	fcfb0938	132	hfcf1690	187	hfcf8730	242	mioa3895a
fcf1969nn	78	fcfb0958	133	hfcf1821	188	hfcf8817	243	mioa3896a
fcf1978nn	79	fcfb1175	134	hfcf1978	189	hfcf8843	244	mioa4045a
FCR2268	80	fcfb1379	135	hfcf2243	190	hfcf8897	245	MIOA4275
FCR2609	81	fcfb1516	136	hfcf2521	191	hfcf8977	246	MIOA4330a
fcf2618	82	fcfb1870	137	hfcf2627	192	hfcf9013	247	MIOA4391
fcf2622n	83	fcfb2358	138	hfcf2654	193	hfcf9115	248	MIOA4616a
FCR2951	84	fcfb2388	139	hfcf3001	194	hfcf9165	249	mioa4706
fcf2979n	85	fcfb2603	140	hfcf3006	195	hfcf9229	250	MIOA4880a
FCR3004N	86	hfcf0080	141	hfcf3008	196	hfcf9268	251	MIOA5324a
fcf3534n	87	hfcf0081	142	hfcf3069	197	hfcf9298	252	MIOA5496a
FCR3639	88	hfcf0133	143	hfcf3377	198	hfcf9411	253	mioa5619a
fcf3756	89	hfcf0203	144	hfcf3382	199	hfcf9424	254	MIOA5655
fcf3792	90	hfcf0275	145	hfcf3550	200	hfcf9466	255	mioa5829a
FCR4720	91	hfcf0463	146	hfcf3672	201	hfcf9470	256	mioa5861an
FCR4735	92	hfcf0604	147	hfcf3990	202	hfcf9701	257	MIOA5905a
fcf4844n	93	hfcf0721	148	hfcf4281	203	hfcf9815	258	mioa5984a
FCR4868	94	hfcf0791	149	hfcf4342	204	hfcf9893	259	MIOA6003a
FCR4951	95	hfcf1014	150	hfcf4730	205	hfcf9895	260	mioa6111a
FCR4980	96	hfcf1019	151	hfcf4732	206	hfcf9916	261	mioa6117a
FCR4996	97	hfcf1028	152	hfcf4782	207	hfcf9974	262	MIOA6409a
fcf5017	98	hfcf1035	153	hfcf4848	208	hfcf9980	263	MIOA6628a
fcf5071	99	hfcf1041	154	hfcf6138	209	hfcf9981	264	mioa6634a
fcf5120n	100	hfcf1429	155	hfcf6319	210	mioa0492m	265	MIOA6666a
FCR5221	101	hfcf1438	156	hfcf6383	211	mioa0524	266	MIOA6670a
fcf5414	102	hfcf1446	157	hfcf6423	212	MIOA0602a	267	MIOA6865a
fcf5591	103	hfcf1450	158	hfcf6593	213	MIOA0718	268	MIOA6955a
fcf5612	104	hfcf1461	159	hfcf6757	214	MIOA0772	269	mioa7198a
fcf5621	105	hfcf1462	160	hfcf6897	215	mioa0780n	270	mioa7458a
fcf6010	106	hfcf1465	161	hfcf7156	216	MIOA0782n	271	mioa7571a
fcf6014	107	hfcf1466	162	hfcf7189	217	mioa0798	272	mioa7933

Figure 13 - Continued

33	fcr6015	103	hfc1472	163	hfc7215	218	mioa0806	273	MIOA8210
34	fcr6351n	109	hfc1480	164	hfc7266	219	mioa0932	274	MIOA8258
35	fcr6488	110	hfc1505	165	hfc7336	220	MIOA0948	275	MIOA8297
276	MIOA8386	331	miob2800	336	ncr3522	441	ncrb2934	496	seoa0725a
277	mioa8397a	332	miob3182	337	ncr3538	442	ncrb3216	497	seoa0739m
278	MIOA8417	333	miob3209	338	ncr3732	443	ncrb4053	498	SEOA0875
279	MIOA8418	334	miob3217	339	ncr3816	444	ncrb4068	499	seoa0970
280	MIOA8421	335	miob3424	390	ncr3974	445	ncrb4098	500	seoa0972m
281	MIOA8423	336	miob3547	391	ncr4021	446	ncrb4117	501	seoa1004m
282	mioa8434	337	miob3746	392	ncr4081	447	ncrb4181	502	SEOA1099a
283	MIOA8435	338	miob3959	393	ncr4154	448	ncrb4283	503	SEOA1329
284	mioa8443n	339	miob4062	394	ncr4401	449	ncrb4423	504	seoa1595an
285	MIOA8523	340	miob4084	395	ncr4582	450	ncrb4477	505	seoa1805a
286	MIOA8549	341	miob4235	396	ncr4698	451	ncrb4923	506	seoa1806a
287	mioa8726	342	miob4250	397	ncr4784	452	ncrb5215	507	seoa1807a
288	mioa8915n	343	miob4442	398	ncr4823	453	ncrb5269	508	seoa1809a
289	mioa9023	344	miob4627	399	ncr5048	454	ncrb5576	509	seoa1810a
290	mioa9058	345	miob4796	400	ncr5099	455	ncrb5700	510	seoa1814a
291	mioa9072n	346	miob4872	401	ncr5229	456	ncrb5736	511	seoa1815a
292	mioa9478	347	miob5415	402	ncr5253	457	ncrb6103	512	seoa1817a
293	mioa9665	348	miob5488	403	ncr5268	458	ncrb6147	513	SEOA1822a
294	mioa9748	349	miob5639	404	ncr5303	459	ncrb6229	514	seoa1823a
295	mioa9985	350	miob5833	405	ncr5462	460	ncrb6393	515	seoa1825a
296	miob0074n	351	miob5921	406	ncr5476	461	ncrb6591	516	seoa1826a
297	miob0381n	352	miob6027	407	ncr5583	462	ncrb6885	517	seoa1830a
298	miob0493	353	miob6453	408	ncr5618	463	ncrb6905	518	SEOA1866a
299	miob0630	354	miob6492	409	ncr5835	464	ncrb6945	519	seoa1918m
300	miob0798n	355	miob6519	410	ncr5967	465	ncrb7239	520	SEOA1955
301	miob0860	356	miob6637	411	ncr6083	466	ncrb7502	521	seoa2032m
302	miob0877	357	miob7010	412	ncr6133	467	ncrb7519	522	SEOA2056
303	miob1001	358	ncr0031	413	ncr6242	468	ncrb8372	523	seoa2125
304	miob1005	359	ncr0241	414	ncr6244	469	ncrc0748	524	SEOA2295a
305	miob1009	360	ncr0268	415	ncr6283	470	ncrc1320	525	SEOA2471
306	miob1060	361	ncr0277	416	ncr6420	471	ncrc1392	526	SEOA2473m
307	miob1112	362	ncr0279	417	ncr6606	472	ncrc1724	527	SEOA2479
308	miob1150	363	ncr0282	418	ncr7007	473	ncrc2004	528	seoa2516
309	miob1157	364	ncr0358	419	ncr7185	474	ncrc2442	529	seoa2559m
310	miob1177	365	ncr0360	420	ncr7266	475	ncrc2940	530	seoa2584
311	miob1184	366	ncr0413	421	ncr7326	476	ncrc3508	531	SEOA2585
312	miob1233	367	ncr0539	422	ncr7577	477	ncrc3847	532	SEOA2603
313	miob1243	368	ncr0561	423	ncr7634	478	ncrc4441	533	seoa2623
314	miob1244	369	ncr0620	424	ncr7754	479	ncrc4485	534	SEOA2632
315	miob1283	370	ncr0767	425	ncr7944	480	ncrc4912	535	seoa2783
316	miob1768	371	ncr0783	426	ncr8248	481	ncrc5273	536	seoa2807
317	miob1861	372	ncr0786	427	ncr8821	482	ncrc5533	537	seoa3009a
318	miob1929	373	ncr0933	428	ncr8877	483	ncrc6483	538	seoa3176m
319	miob2127	374	ncr1087	429	ncr9321	484	ncrc9191	539	seoa3199m
320	MIOB2138	375	ncr1332	430	ncr9926	485	ncrc9208	540	SEOA3299
321	miob2203	376	ncr1411	431	ncrb0192	486	ncrc9243	541	seoa3597a
322	MIOB2214	377	ncr1594	432	ncrb0639	487	ncrc9247	542	seoa3675a
323	miob2276n	378	ncr1930	433	ncrb0848	488	ncrc9399	543	seoa3790a
324	miob2358	379	ncr2319	434	ncrb0870	489	ncrc9611	544	seoa3795a

Figure 13 - Continued

<del>325</del>	miob2367n	<del>330</del>	ncr2608	<del>435</del>	ncrb0924	<del>490</del>	seoa0034m	<del>545</del>	seoa3836n
<del>326</del>	miob2394	<del>331</del>	ncr2687	<del>436</del>	ncrb1155	<del>491</del>	SEOA0082	<del>546</del>	seoa3924
<del>327</del>	miob2495	<del>332</del>	ncr2895	<del>437</del>	ncrb1322	<del>492</del>	seoa0201a	<del>547</del>	SEOA3977a
<del>328</del>	MIOB2554	<del>333</del>	ncr3033	<del>438</del>	ncrb1403	<del>493</del>	seoa0262m	<del>548</del>	seoa4122a
<del>329</del>	MIOB2583	<del>334</del>	ncr3167	<del>439</del>	ncrb2124	<del>494</del>	seoa0381	<del>549</del>	seoa4232a
<del>330</del>	MIOB2602	<del>335</del>	ncr3436	<del>440</del>	ncrb2427	<del>495</del>	seoa0386	<del>550</del>	SEOA4271a

Figure 15 - Relative EST Frequency of Unique Known Genes Common to Fetal and Normal cDNA Libraries

Total ESTs from each library		13398	17151
Gene Name	Accession #	Fetal	Normal
1 alpha gene sequence (=HSP90)	AF203815.1	11 0.08%	561 3.27%
2 ribosomal DNA complete repeating unit	U13369.1	11 0.08%	303 1.77%
3 mitochondrial genome (consensus sequence)	X62996	112 0.84%	181 1.06%
4 decorin (DCN)	NM_001920.1	14 0.10%	172 1.00%
5 collagen type II alpha 1 (COL2A1)	J00116.1	172 1.28%	169 0.99%
6 osteonectin gene (SPARC) secreted protein, acidic, cysteine-rich	M25746.1	42 0.31%	149 0.87%
7 mitochondrion, complete genome (=AF382012.1 haplotype M*1 mitochondrion)	NC_001807.2	96 0.72%	141 0.82%
8 matrix Gla protein (MGP)	X53331	6 0.04%	140 0.82%
9 proteoglycan 4 (=megakaryocyte stimulating factor)	AAB09089.1	10 0.07%	138 0.80%
10 ribosomal protein S27 (=metallopainstimulin 1 MPS1)	NM_001030.1	36 0.27%	105 0.61%
11 putative p150	AAC51271.1	4 0.03%	99 0.58%
12 collagen type I alpha 2 (COL1A2)	NM_000089.1	153 1.14%	88 0.51%
13 beta-2 microglobulin gene (B2M)	gb AF072097.1	6 0.04%	88 0.51%
14 metallothionein 1L (MT1L)	NM_002450.1	2 0.01%	85 0.50%
15 connective tissue growth factor (CTGF)	U14750	6 0.04%	78 0.45%
16 collagen type III alpha 1 (COL3A1)	X06700	54 0.40%	77 0.45%
17 elongation factor 1 alpha 1 (EEF1A1)	NM_001402.1	150 1.12%	66 0.38%
18 scrapie responsive protein 1 (SCRG1)	NM_007281.1	3 0.02%	59 0.34%
19 tumor protein translationally-controlled 1 (TPT1)	NM_003295.1	45 0.34%	50 0.29%
20 fibronectin (FN)	X02761.1	16 0.12%	50 0.29%
21 ribosomal protein L41	AF026844.1	22 0.16%	47 0.27%
22 ribosomal RNA 18S	X03205	12 0.09%	47 0.27%
23 LINE-1 REVERSE TRANSCRIPTASE HOMOLOG (=putative p150)	spP08547	1 0.01%	46 0.27%
24 reverse transcriptase	D84391	1 0.01%	45 0.26%
25 ribosomal protein L7	X52967	45 0.34%	44 0.26%
26 fibromodulin (FMOD)	NM_002023.2	8 0.06%	41 0.24%
27 thymosin beta-4 (TMSB4X)	M17733	14 0.10%	40 0.23%
28 ribosomal protein S8 (RPS8)	NM_001012.1	42 0.31%	35 0.20%
29 ribosomal protein S6	M20020	27 0.20%	35 0.20%
30 ribosomal protein L21	U14967.1	17 0.13%	34 0.20%
31 lumican (LUM)	NM_002345.1	9 0.07%	33 0.19%
32 ubiquitin A-52 residue ribosomal protein fusion product 1 (UBA52)	gi4507760	7 0.05%	32 0.19%
33 vimentin gene (VIM)	Z19554	33 0.25%	31 0.18%
34 ribosomal protein S3a	M77234	22 0.16%	31 0.18%
35 ribosomal protein L31	NM_000993.1	15 0.11%	31 0.18%
36 ribosomal protein L9	U09953	47 0.35%	30 0.17%
37 annexin A2 (ANXA2)(lipocortin II)	NM_004039.1	14 0.10%	28 0.16%
38 ribonuclease, RNase A family, 1(pancreatic) (RefSeq aa 96-73)	NP_002924.1	1 0.01%	28 0.16%
39 ribosomal protein L34 (RPL34)	NM_000995.1	23 0.17%	27 0.16%
40 Ribosomal protein L4	NM_000968.1	18 0.13%	27 0.16%
41 ribosomal protein L23	NM_000978.1	18 0.13%	27 0.16%
42 ribonuclease, RNase A	NM_002937.1	1 0.01%	27 0.16%
43 actin, beta (ACTB)	NM_001101.2	21 0.16%	25 0.15%
44 PRO2003	AF116679.1	14 0.10%	24 0.14%
45 ribosomal protein, large, P0 (RPLP0)	NM_001002.1	56 0.42%	23 0.13%
46 calmodulin 1 (phosphorylase kinase, delta) (CALM1)	NM_006888.1	7 0.05%	23 0.13%
47 collagen type I alpha 1 (COL1A1)	X06269	90 0.67%	22 0.13%
48 guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1 (GNB2L1)	NM_006098.1	21 0.16%	20 0.12%
49 SUI1 isolog	AF083441.1	8 0.06%	20 0.12%



Figure 15 - Continued

50	NADH dehydrogenase	X81900	2	0.01%	20	0.12%
51	transcription elongation factor B (SIII), polypeptide 1-like (TCEB1L)	NM_003197.2	1	0.01%	20	0.12%
52	ribosomal protein S11 (RPS11)	NM_001015.1	38	0.28%	19	0.11%
53	ribosomal protein L37	L11567	34	0.25%	19	0.11%
54	H factor 1 (complement) (HF1)	NM_000186.1	1	0.01%	19	0.11%
55	collagen type XI alpha 1 (COL11A1)	NM_001854.1	46	0.34%	18	0.10%
56	ribosomal protein S4, X-linked (RPS4X)	NM_001007.1	33	0.25%	18	0.10%
57	S100 calcium-binding protein A4 (calcium protein, calvasculin, metastasin)	gi4506764	1	0.01%	18	0.10%
58	ribosomal protein L13a (RPL13A)	NM_012423.1	64	0.48%	17	0.10%
59	Ribosomal protein S20 (RPS20)	NM_001023.1	42	0.31%	17	0.10%
60	ribosomal protein L6	X69391	24	0.18%	17	0.10%
61	brain-expressed HHCPA78 homologue (VDUP1)	S73591	2	0.01%	17	0.10%
62	ribosomal protein L32 (RPL32)	NM_000994.1	38	0.28%	16	0.09%
63	ribosomal protein S29	L31610.1	18	0.13%	16	0.09%
64	transmembrane protein BRI	AF246221.1	4	0.03%	16	0.09%
65	cytochrome c oxidase subunit VIc (COX6C)	NM_004374.1	3	0.02%	16	0.09%
66	ribosomal protein L7a (surf 3) large subunit	M36072	25	0.19%	15	0.09%
67	signal recognition particle 14kD (homologous Alu RNA-binding protein)(S	NM_003134.1	3	0.02%	15	0.09%
68	ribosomal protein L30	L05095.1	24	0.18%	14	0.08%
69	translationally controlled tumor protein (TCTP)	X16064	23	0.17%	14	0.08%
70	TSC-22 protein	U35048	8	0.06%	14	0.08%
71	ribosomal protein L22 (RPL22)	NM_000983.1	6	0.04%	14	0.08%
72	nucleolar phosphoprotein B23 (NPM1)	M28699	4	0.03%	14	0.08%
73	clusterin (CLU) SP40,40 (=M63379 TRPM-2 protein)	NM_001831.1	1	0.01%	14	0.08%
74	RIBOSOMAL PROTEIN L10 (QM PROTEIN) (TUMOR SUPPRESSOR Q	spP27635	53	0.40%	13	0.08%
75	ribosomal protein S12	X53505	35	0.26%	13	0.08%
76	ribosomal protein S25 (RPS25)	NM_001028.1	17	0.13%	13	0.08%
77	ribosomal protein S23 (RPS23) =D14530 (ORF)	NM_001025.1	8	0.06%	13	0.08%
78	thioredoxin (TXN)	J04026	4	0.03%	13	0.08%
79	SRY (sex-determining region Y)-box 9 (campomelic dysplasia, autosomal	NM_000346.1	4	0.03%	13	0.08%
80	heat shock 10kD protein 1 (chaperonin 10) (HSP61)	NM_002157.1	1	0.01%	13	0.08%
81	ribosomal protein L37a	L22154	56	0.42%	12	0.07%
82	RIBOSOMAL PROTEIN L17	spP18621	31	0.23%	12	0.07%
83	ribosomal protein S17	M13932	28	0.21%	12	0.07%
84	ribosomal protein L27 (RPL27)	NM_000988.1	27	0.20%	12	0.07%
85	hH3.3B gene for histone H3.3	Z48950.1	10	0.07%	12	0.07%
86	ferritin L chain	M11147	9	0.07%	12	0.07%
87	ribosomal protein L24 (RPL24) (=ribosomal protein L30)	NM_000986.1	8	0.06%	12	0.07%
88	lysosomal membrane glycoprotein CD63 (=M59907 ME491;X07982)	M58485	7	0.05%	12	0.07%
89	CD63 antigen (melanoma 1 antigen) (CD63)	NM_001780.1	7	0.05%	12	0.07%
90	histone H3.3	Z48950	3	0.02%	12	0.07%
91	t-complex-associated-testis-expressed 1-like 1 (TCTEL1)	NM_006519.1	2	0.01%	12	0.07%
92	procollagen C-endopeptidase enhancer 2 (PCOLCE2)	NM_013363.1	1	0.01%	12	0.07%
93	electron transfer flavoprotein alpha-subunit	J04058.1	1	0.01%	12	0.07%
94	Ribosomal protein L36 (=RPL44)	AF077043.1	20	0.15%	11	0.06%
95	ribosomal protein L39	D79205	15	0.11%	11	0.06%
96	MORF-related gene X (KIAA0026) (=MRG15)	NM_012286.1	2	0.01%	11	0.06%
97	PRO1574 (mitochondrial proteolipid 68MP homolog (PLPM)	AF116639.1	2	0.01%	11	0.06%
98	reverse transcriptase related protein	prf1207289A	1	0.01%	11	0.06%
99	ribosomal protein L3 (RPL3)	NM_000967.1	42	0.31%	10	0.06%
100	ribosomal protein L13	AF112214	33	0.25%	10	0.06%
101	actin, gamma 1 (ACTG1)	NM_001614.1	31	0.23%	10	0.06%

Figure 15 - Continued

102	RIBOSOMAL PROTEIN L10A (CSA-19)(RPL10A)	P53025	18	0.13%	10	0.06%
103	ribosomal protein L35a	NM_000996.1	14	0.10%	10	0.06%
104	eukaryotic translation initiation factor 3 (EIF3S6) (=INT6)	NM_001568.1	13	0.10%	10	0.06%
105	H2A histone family, member Z (H2AFZ) = D28450.1	NM_002106.1	4	0.03%	10	0.06%
106	zinc finger protein 216 (ZNF216)	AF062072.1	3	0.02%	10	0.06%
107	cytochrome c oxidase subunit II gene (ORF)	AF004339	3	0.02%	10	0.06%
108	TPT1 gene for translationally controlled tumor protein (TCTP), exons 1-6	AJ400717.1	2	0.01%	10	0.06%
109	selenoprotein P (SEPP1)	Z11793	1	0.01%	10	0.06%
110	ribosomal protein S15a	X84407	23	0.17%	9	0.05%
111	cytoskeletal gamma-actin	X04098	19	0.14%	9	0.05%
112	prothymosin alpha	M14630	18	0.13%	9	0.05%
113	ribosomal protein S13	NM_001017.1	17	0.13%	9	0.05%
114	ATP synthase, H transporting, mitochondrial F0 complex, subunit g (ATP6B)	Hs.107476	4	0.03%	9	0.05%
115	defender against cell death 1 (DAD1)	NM_001344.1	3	0.02%	9	0.05%
116	TI-227H (=tomoregulin; mitochondrial)	D50525	2	0.01%	9	0.05%
117	ATPase, H transporting, lysosomal (vacuolar proton pump) 9kD (ATP6H)	NM_003945.1	1	0.01%	9	0.05%
118	nuclear pore complex interacting protein (NPIP)	AF132984.1	1	0.01%	9	0.05%
119	ribosomal protein S24	M31520	23	0.17%	8	0.05%
120	ribosomal protein L5	U76609	23	0.17%	8	0.05%
121	heterogeneous nuclear ribonucleoprotein A1 (HNRPA1)	NM_002136.1	14	0.10%	8	0.05%
122	polyubiquitin	E12605	13	0.10%	8	0.05%
123	ribosomal protein L12	L06505	12	0.09%	8	0.05%
124	ribosomal protein L38	Z26876	8	0.06%	8	0.05%
125	poly(A)-binding protein (PABP)	U68105	6	0.04%	8	0.05%
126	carboxypeptidase E (CPE)	NM_001873.1	6	0.04%	8	0.05%
127	cytochrome b (ORF)	U09500	5	0.04%	8	0.05%
128	Tigger1 transposable element	U49973.1	5	0.04%	8	0.05%
129	NADH dehydrogenase(ubiquinone) Fe-S protein 5 (15kD) (NADH-coenz	NM_004552.1	4	0.03%	8	0.05%
130	thrombospondin 4 (THBS4)	NM_003248.1	4	0.03%	8	0.05%
131	F1-ATPase epsilon-subunit (ATP5E)	AF052955.1	3	0.02%	8	0.05%
132	frizzled-related protein (FRZB)	NM_001463.1	3	0.02%	8	0.05%
133	glucocorticoid-induced GILZ	AF228339	3	0.02%	8	0.05%
134	Fritz mRNA, complete cds	U91903.1	2	0.01%	8	0.05%
135	actin, alpha, cardiac muscle	NP_005150.1	2	0.01%	8	0.05%
136	vacuolar H-ATPase subunit	AF038954	1	0.01%	8	0.05%
137	serine/threonine protein kinase Kp78 splice variant CTAK75a	AF159295.1	1	0.01%	8	0.05%
138	ribosomal protein L27A	AB020236.1	34	0.25%	7	0.04%
139	ribosomal protein, large P2 (RPLP2)	NM_001004.1	14	0.10%	7	0.04%
140	tumor rejection antigen (gp96) 1 (TRA1)	X15187	10	0.07%	7	0.04%
141	ribosomal protein S7	M77233	8	0.06%	7	0.04%
142	guanine nucleotide binding protein (G protein), alpha stimulating activity	BC008855.1	8	0.06%	7	0.04%
143	matrilin-3 (MATR3)	Y13341	7	0.05%	7	0.04%
144	guanine nucleotide binding protein (G protein), alpha stimulating activity	NM_000516.2	7	0.05%	7	0.04%
145	lysosome-associated protein, transmembrane - 4alpha (=D14696.1 Human)	U34259.1	6	0.04%	7	0.04%
146	Cyr61 protein (CYR61)	AF031385	6	0.04%	7	0.04%
147	ribosomal protein S26	NM_001029.1	6	0.04%	7	0.04%
148	serine protease=HTRA serine protease (PRSS11)=AF157623.1	Y07921	5	0.04%	7	0.04%
149	hexabrachion (tenascin C, cytactin) (HXB)	NM_002160.1	4	0.03%	7	0.04%
150	palladin (KIAA0992)= CGI-151	NM_016081.1	3	0.02%	7	0.04%
151	collagen lysyl hydroxylase isoform 2 (PLOD2)	U84573	2	0.01%	7	0.04%
152	myosin, light polypeptide, regulatory, non-sarcomeric (20kD) (MLCB), ml	Hs.233936	2	0.01%	7	0.04%
153	procollagen-lysine, 2-oxoglutarate 5-dioxygenase (lysine hydroxylase) 2	Hs.41270	2	0.01%	7	0.04%

Figure 15 - Continued

154	KVLQT1 gene (=p150)	AJ006345.1	2	0.01%	7	0.04%
155	suppression of tumorigenicity 13 (Hsp70-interacting protein) (ST13)	NM_003932.1	2	0.01%	7	0.04%
156	spermidine/spermine N1-acetyltransferase	Z14136	1	0.01%	7	0.04%
157	epithelial membrane protein 1 (EMP1)	NM_001423.1	1	0.01%	7	0.04%
158	muscleblind (Drosophila)-like (MBNL) (=KIAA0428)	NM_021038.1	1	0.01%	7	0.04%
159	SOD-2 manganese superoxide dismutase	X65965	1	0.01%	7	0.04%
160	heat shock 70kD protein 10 (HSC71) (HSPA10)	NM_006597.1	1	0.01%	7	0.04%
161	MADS/MEF2-family transcription factor (MEF2C) mRNA, complete cds	L08895.1	1	0.01%	7	0.04%
162	ribosomal protein L15	NM_002948.1	26	0.19%	6	0.03%
163	collagen type IX alpha 3 (COL9A3)	AF026802.1	26	0.19%	6	0.03%
164	ribosomal protein L26	X69392	18	0.13%	6	0.03%
165	FK506 binding protein (Fkbp63)	AF090334	8	0.06%	6	0.03%
166	nascent-polypeptide-associated complex alpha polypeptide (NACA)	NM_005594.1	6	0.04%	6	0.03%
167	collagen type XIV variant C-terminal NC1 and 3'UTR	Y11711	6	0.04%	6	0.03%
168	Tis11d gene	U07802	5	0.04%	6	0.03%
169	transforming growth factor beta-stimulated protein TSC-22 (TSC22)	NM_006022.1	5	0.04%	6	0.03%
170	ADP/ATP translocase	J03592	5	0.04%	6	0.03%
171	ferritin heavy chain	L20941.1	4	0.03%	6	0.03%
172	testis enhanced gene transCRipt protein (TEGT)	AF033095	4	0.03%	6	0.03%
173	translocation protein 1(TLOC1)	NM_003262.1	3	0.02%	6	0.03%
174	mannosidase, beta A, lysosomal (MANBA) gene, and ubiquitin-conjugat	AF224669.1	3	0.02%	6	0.03%
175	lactate dehydrogenase B (LDH-B)	Y00711	3	0.02%	6	0.03%
176	peroxiredoxin 1 (PRDX1) (=NKEFA)	NM_002574.1	3	0.02%	6	0.03%
177	membrane protein CH1 (CH1)	AB020980	3	0.02%	6	0.03%
178	fibroblast activation protein, alpha; seprase (FAP)	NM_004460.1	2	0.01%	6	0.03%
179	cig19 (=D31887.1 KIAA0062)	AF026940.1	1	0.01%	6	0.03%
180	transmembrane protein (CD59)	M84349.1	1	0.01%	6	0.03%
181	chloride intracellular channel 4 like (CLIC4L)	NM_013943.1	1	0.01%	6	0.03%
182	protein C inhibitor [human, leukocytes, Genomic, 1402 nt, segment 5 of	S69366.1	1	0.01%	6	0.03%
183	ubiquitin-conjugating enzyme E2B (RAD6 homolog) (UBE2B)	NM_003337.1	1	0.01%	6	0.03%
184	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1(NFK	AF213884.1	1	0.01%	6	0.03%
185	tubulin beta	AF070561	19	0.14%	5	0.03%
186	ribosomal protein L44 (RPL44)	NM_001001.1	14	0.10%	5	0.03%
187	v-fos FBJ murine osteosarcoma viral oncogene homolog (FOS)	NM_005252.2	12	0.09%	5	0.03%
188	triosephosphate isomerase (TPI1)	M10036	8	0.06%	5	0.03%
189	myosin regulatory light chain	X54304	6	0.04%	5	0.03%
190	lysyl oxidase	U22384	6	0.04%	5	0.03%
191	insulin-like growth factor binding protein 5 (IGFBP5) gene	L27556.1	6	0.04%	5	0.03%
192	cathepsin K (pseudosclerosis)(CTSK)	NM_000396.1	5	0.04%	5	0.03%
193	B-cell translocation protein 1 (BTG1)	X61123	5	0.04%	5	0.03%
194	cytochrome c oxidase subunit VIIb	Z14244	4	0.03%	5	0.03%
195	cell division cycle 10 (homologous to CDC10 of S. cerevisiae) (CDC10)	NM_001788.1	4	0.03%	5	0.03%
196	activating transCRiption factor 4 (tax-responsive enhancer element B67)	gi4502264	4	0.03%	5	0.03%
197	integral membrane protein 2A (ITM2A)	NM_004867.1	4	0.03%	5	0.03%
198	transforming growth factor beta-induced, 68kD (TGFB1)	NM_000358.1	3	0.02%	5	0.03%
199	eukaryotic translation initiation factor 4 gamma, 2 (EIF4G2)	NM_001418.1	3	0.02%	5	0.03%
200	Sec61 gamma	AF054184	3	0.02%	5	0.03%
201	miCRosomal signal peptidase	AF061737	3	0.02%	5	0.03%
202	actin binding protein ABP620	AB029290.1	3	0.02%	5	0.03%
203	WSB-1 isoform	AF106684.1	3	0.02%	5	0.03%
204	heterogeneous nuclear ribonucleoprotein A2/B1 (HNRPA2B1)	NM_002137.1	3	0.02%	5	0.03%
205	peptidylglycine alpha-amidating monooxygenase (PAM)	M37721	2	0.01%	5	0.03%

Figure 15 - Continued

206	small nuclear ribonucleoprotein D2 polypeptide (16.5kD) (SNRPD2)	NM_004597.3	2	0.01%	5	0.03%
207	syndecan binding protein (syntenin) (SDCBP)(ORF) = AF000652.1	NM_005625.1	2	0.01%	5	0.03%
208	JKTBP2, JKTBP1, complete cds	AB017018.1	2	0.01%	5	0.03%
209	cartilage intermediate layer protein, CILP	AB022430.1	1	0.01%	5	0.03%
210	ring-box 1 (RBX1)	NM_014248.1	1	0.01%	5	0.03%
211	allograft inflammatory factor 1 (AIF1)	NM_001623.2	1	0.01%	5	0.03%
212	fragile 16D oxido reductase (FOR)	AF217490.1	1	0.01%	5	0.03%
213	PRO1873	AF119859.1	1	0.01%	5	0.03%
214	poly(rC)-binding protein 2 (PCBP2)	NM_005016.1	1	0.01%	5	0.03%
215	collagen type IX alpha 1 (COL9A1)(ORF)	NM_001851.1	74	0.55%	4	0.02%
216	collagen type XI alpha2 (COL11A2)	U41068.1	34	0.25%	4	0.02%
217	lectin, galactoside-binding, soluble, 1 (galectin 1) (LGALS1)mRNA (=14	NM_002305.2	22	0.16%	4	0.02%
218	T-cell cyclophilin	Y00052	18	0.13%	4	0.02%
219	chondromodulin I precursor (CHM-I)	NM_007015.1	15	0.11%	4	0.02%
220	ribosomal protein L14	D87735	12	0.09%	4	0.02%
221	heparan sulfate proteoglycan (HSPG) (OCI5)	J04621.1	9	0.07%	4	0.02%
222	annexin A5 (ANXA5)(lipocortin-V)	NM_001154.2	9	0.07%	4	0.02%
223	solute carrier family 25 (mitochondrial carrier; phosphate carrier), memb	NM_005888.1	6	0.04%	4	0.02%
224	nuclear protein SDK3 (=MEMA)	Y10351	6	0.04%	4	0.02%
225	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4 (9kD, MLRQ	NM_002489.1	5	0.04%	4	0.02%
226	collagen type VI alpha 3 (COL6A3)	NM_004369.1	5	0.04%	4	0.02%
227	enhancer of rudimentary homologue	U66871	5	0.04%	4	0.02%
228	HSPC330 mRNA(=HSPC016)	AF161448.1	5	0.04%	4	0.02%
229	peripheral myelin protein 22	M94048	5	0.04%	4	0.02%
230	bone sialoprotein (BNSP)	L10363.1	5	0.04%	4	0.02%
231	lactate dehydrogenase A (LDHA)	NM_005566.1	4	0.03%	4	0.02%
232	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation prot	NM_003404.1	4	0.03%	4	0.02%
233	heterogeneous nuclear ribonucleoprotein D-like (HNRPDL)	NM_005463.1	4	0.03%	4	0.02%
234	heterogeneous nuclear ribonucleoprotein D (hnRNP D) (52% aa)	D55671	4	0.03%	4	0.02%
235	platelet-derived growth factor receptor alpha (PDGFRA)	M21574	4	0.03%	4	0.02%
236	cyclin I	D50310	4	0.03%	4	0.02%
237	protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform (PF	NM_002715.1	4	0.03%	4	0.02%
238	melanoma growth regulatory protein MIA	X75450	4	0.03%	4	0.02%
239	phosphoglycerate kinase 1 (PGK1) (ORF)	NM_000291.1	3	0.02%	4	0.02%
240	Heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor	NM_004501.1	3	0.02%	4	0.02%
241	alpha-2-macroglobulin	D83196	3	0.02%	4	0.02%
242	sin3 associated polypeptide (SAP18)	AF153608	3	0.02%	4	0.02%
243	ubiquinol-cytochrome c reductase complex (7.2 kD); hypothetical protein	NP_037519.1	2	0.01%	4	0.02%
244	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 5 (RNA helicase, 68kD)	NM_004396.1	2	0.01%	4	0.02%
245	GAP-associated tyrosine phosphoprotein p62 (Sam68) (SAM68) (=p62)	NM_006559.1	2	0.01%	4	0.02%
246	latent transforming growth factor beta binding protein 1 (LTBP1)	NM_000627.1	2	0.01%	4	0.02%
247	myosin, light polypeptide 1, alkali; skeletal, fast (MYL1)	NM_002475.1	2	0.01%	4	0.02%
248	melanoma inhibitory	NM_006533.1	2	0.01%	4	0.02%
249	integrin beta 1 subunit	X07979.1	1	0.01%	4	0.02%
250	TGF-beta1IR alpha	D50683	1	0.01%	4	0.02%
251	CGI-110 protein	AF151868.1	1	0.01%	4	0.02%
252	HS1 protein (=YWHAQ)	X57347	1	0.01%	4	0.02%
253	cytochrome c oxidase subunit VIIa polypeptide 2 like (COX7A2L)	NM_004718.1	1	0.01%	4	0.02%
254	zinc finger transcription factor GKLF	AF105036.1	1	0.01%	4	0.02%
255	KIAA0438	AB007898.1	1	0.01%	4	0.02%
256	T245 protein (T245) =TM4SF6=TM4-D	AF043906	1	0.01%	4	0.02%
257	SMT3 (suppressor of mif two 3, yeast) homolog 2 (SMT3H2)	NM_006937.1	1	0.01%	4	0.02%

Figure 15 - Continued

258	AD-017 protein	AF157318.1	1	0.01%	4	0.02%
259	KIAA0164	D79986	1	0.01%	4	0.02%
260	laminin B2 chain	M55210	1	0.01%	4	0.02%
261	TRAM protein	CAA45218.1	1	0.01%	4	0.02%
262	dual specificity phosphatase 1 (DUSP1)	NM_004417.2	1	0.01%	4	0.02%
263	over-expressed breast tumor protein	L34839	1	0.01%	4	0.02%
264	cathepsin L (CTSL)	NM_001912.1	1	0.01%	4	0.02%
265	chondroitin sulfate proteoglycan 2 (versican) (CSPG2)	NM_004385.1	1	0.01%	4	0.02%
266	ubiquitin-conjugating enzyme E2 variant 1 (UBE2V1)	NM_003349.1	1	0.01%	4	0.02%
267	integrin alpha 10 subunit (ITGA10)	AF112345.1	1	0.01%	4	0.02%
268	signal sequence receptor, gamma (translocon-associated protein gamma)	NM_007107.1	1	0.01%	4	0.02%
269	fragile X mental retardation 1 (FMR1)	NM_002024.1	1	0.01%	4	0.02%
270	X-linked anhidrotic ectodermal dysplasia protein gene (EDA), exon 2 and	AF003528.1	1	0.01%	4	0.02%
271	secreted frizzled-related protein 1 (SFRP1)	NM_003012.2	1	0.01%	4	0.02%
272	proteasome (prosome macropain) beta type, 4 (PSMB4)	NM_002796.1	1	0.01%	4	0.02%
273	thrombospondin 3 (THBS3) (RefSeq aa 3e-59)	NP_009043.1	1	0.01%	4	0.02%
274	laminin, gamma 1 (formerly LAMB2) (LAMC1),	NM_002293.2	1	0.01%	4	0.02%
275	ribosomal protein S21 (RPS21)	L04483	21	0.16%	3	0.02%
276	ribosomal protein L19	X63527	16	0.12%	3	0.02%
277	Tubulin alpha isoform 1	AF081484	16	0.12%	3	0.02%
278	H3 histone, family 3A (H3F3A)	NM_002107.1	8	0.06%	3	0.02%
279	ribophorin II (RPN2)	Y00282	7	0.05%	3	0.02%
280	neural precursor cell expressed, developmentally down-regulated 5 (NEF)	NM_004404.1	6	0.04%	3	0.02%
281	heat shock 90kD protein 1 beta (HSPCB)	NM_007355.1	6	0.04%	3	0.02%
282	eukaryotic translation elongation factor 1 gamma (EEF1G)	NM_001404.1	6	0.04%	3	0.02%
283	dynein light chain 1 (hdc1), cytoplasmic	U32944	5	0.04%	3	0.02%
284	GABA(A) receptor-associated protein (GABARAP)	NM_007278.1	5	0.04%	3	0.02%
285	cyclophilin B (hCyPB)	M60857	5	0.04%	3	0.02%
286	cytochrome c oxidase, liver specific (EC 1.9.3.1.)	X15822	4	0.03%	3	0.02%
287	mitochondrial ubiquinone-binding protein	M26700	4	0.03%	3	0.02%
288	low molecular mass ubiquinone-binding protein	D50369	4	0.03%	3	0.02%
289	protein tyrosine phosphatase (hR-PTPu)	X58288	4	0.03%	3	0.02%
290	Huntingtin interacting protein	AF049103	4	0.03%	3	0.02%
291	interCRine-alpha (hIRH)	U19495	4	0.03%	3	0.02%
292	cathepsin B (CTSB)	L22569	3	0.02%	3	0.02%
293	thyroid receptor interactor (TRIP7)	L40357	3	0.02%	3	0.02%
294	pre-mRNA splicing factor (SFRS3)	AF107405.1	3	0.02%	3	0.02%
295	alpha E-catenin (CTNNA1) gene	AF102803.1	3	0.02%	3	0.02%
296	profilin II	L10678.1	3	0.02%	3	0.02%
297	16.7Kd protein	AF078845.1	3	0.02%	3	0.02%
298	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation prot	NM_006826.1	3	0.02%	3	0.02%
299	prostatic binding protein (PBP)	NM_002567.1	3	0.02%	3	0.02%
300	nidogen-2	AJ223500	3	0.02%	3	0.02%
301	valosin-containing protein(VCP)	NM_007126.2	3	0.02%	3	0.02%
302	tissue inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseudo	NM_000362.1	2	0.01%	3	0.02%
303	cytochrome c oxidase subunit VIIc (COX7C)	NM_001867.1	2	0.01%	3	0.02%
304	ubiquitin-like 1 (sentrin) (UBL1) (=SUMO-1)	NM_003352.1	2	0.01%	3	0.02%
305	cytosolic selenium-dependent glutathione peroxidase (=L09159 RHOA p	M83094	2	0.01%	3	0.02%
306	BCL2/adenovirus E1B 19kD-interacting protein 3 (BNIP3)	U15174	2	0.01%	3	0.02%
307	NADH dehydrogenase subunit 2 (ND2)	AF014897.2	2	0.01%	3	0.02%
308	poly(A)-binding protein, cytoplasmic 1 (PABPC1)	NM_002568.1	2	0.01%	3	0.02%
309	PAPS synthetase-2 (PAPSS2)	AF074331.1	2	0.01%	3	0.02%

Figure 15 - Continued

310	TATA box binding protein (TBP)-associated factor, RNA polymerase II, F	NM_005642.1	2	0.01%	3	0.02%
311	MAGUK protein p55T (=AB002323 KIAA0325)	AF162130.1	2	0.01%	3	0.02%
312	adaptor-related protein complex 3, sigma 1 subunit (CLAPS3)	NM_001284.1	2	0.01%	3	0.02%
313	KIAA0372	AB002370.1	2	0.01%	3	0.02%
314	ubiquinol-cytochrome c reductase hinge protein (UQCRH)	NM_006004.1	2	0.01%	3	0.02%
315	non-histone chromosome protein 2 (S. cerevisiae)-like 1 (NHP2L1)=D50	NM_005008.1	2	0.01%	3	0.02%
316	heterogeneous nuclear ribonucleoprotein M (HNRPM)	5174610	2	0.01%	3	0.02%
317	Golgi apparatus protein 1 (GLG1)	NM_012201.1	2	0.01%	3	0.02%
318	moesin (MSN)	NM_002444.1	2	0.01%	3	0.02%
319	nucleolar phosphoprotein p130 (P130)	NM_004741.1	2	0.01%	3	0.02%
320	neuroendocrine-specific protein C like (foocen) (NSP-CL) reticulon 4 (R	NM_007008.1	1	0.01%	3	0.02%
321	mitochondrial proteolipid 68MP homolog (PLPM)	NM_004894.1	1	0.01%	3	0.02%
322	hepatitis B virus X interacting protein (XIP)	AF029890	1	0.01%	3	0.02%
323	activated RNA polymerase (PC4)	NM_006713.1	1	0.01%	3	0.02%
324	FRG1	L76159	1	0.01%	3	0.02%
325	CD164 antigen, sialomucin (CD164)	NM_006016.1	1	0.01%	3	0.02%
326	ganglioside expression factor 2 (GEF-2)	NM_007285.1	1	0.01%	3	0.02%
327	S164 (=AC004858 U1 small ribonucleoprotein 1SNRP homologue)	AF109907	1	0.01%	3	0.02%
328	sema domain immunoglobulin domain (Ig)(semaphorin) 3E (SEMA3E)(=	NM_012431.1	1	0.01%	3	0.02%
329	prion protein (p27-30) (Creutzfeld-Jakob disease, Gerstmann-Strausler-	NM_000311.1	1	0.01%	3	0.02%
330	interleukin 1 receptor, type I (IL1R1) = M27492.1	NM_000877.1	1	0.01%	3	0.02%
331	zinc finger protein 9 (a cellular retroviral nucleic acid binding protein)	gi4827070	1	0.01%	3	0.02%
332	KIAA0242	D87684	1	0.01%	3	0.02%
333	PPP1R5	AF110824.1	1	0.01%	3	0.02%
334	transforming, acidic coiled-coil containing protein 1 (TACC1=AF049910	NM_006283.1	1	0.01%	3	0.02%
335	clathrin, light polypeptide (Lca) (CLTA)	NM_007096.1	1	0.01%	3	0.02%
336	KIAA0069 gene	D31885.1	1	0.01%	3	0.02%
337	uncharacterized bone marrow protein BM034 (=AK000571 FLJ20564 fis	AF217511.1	1	0.01%	3	0.02%
338	Membrane cofactor protein	X59408.1	1	0.01%	3	0.02%
339	KIAA0349 gene	AB002347.1	1	0.01%	3	0.02%
340	TGF-beta inducible early protein (TIEG)	U21847	1	0.01%	3	0.02%
341	CD59 antigen p18-20 (antigen identified by monoclonal antibodies 16.3A	NM_000611.1	1	0.01%	3	0.02%
342	signal peptidase complex (18kD) (SPC18)	NM_014300.1	1	0.01%	3	0.02%
343	archain 1 (ARCN1)	gi4502194	1	0.01%	3	0.02%
344	selenoprotein W (hSelW)	AF015283.1	1	0.01%	3	0.02%
345	nuclear factor I/B (NFIB)	NM_005596.1	1	0.01%	3	0.02%
346	KIAA0174	D79996	1	0.01%	3	0.02%
347	heterogeneous nuclear ribonucleoprotein H1 (H) (HNRPH1)	NM_005520.1	1	0.01%	3	0.02%
348	calcium modulating cyclophilin ligand CAMLG (CAMLG)	AF068179.1	1	0.01%	3	0.02%
349	KIAA0527	AB011099.1	1	0.01%	3	0.02%
350	retrovirus-related hypothetical protein II (=X52235 ORFII)	S23650	1	0.01%	3	0.02%
351	polymerase (RNA) II polypeptide G (POLR2G)	NM_002696.1	1	0.01%	3	0.02%
352	peptidylprolyl isomerase A (cyclophilin A) (PPIA), mRNA /cds=(44,541) /	Hs.342389	1	0.01%	3	0.02%
353	S100 calcium-binding protein, beta (neural) (S100B)	NM_006272.1	1	0.01%	3	0.02%
354	phosphatidic acid phosphatase 2b (PPAP2B)	AB000889	1	0.01%	3	0.02%
355	KIAA1354	AB037775	1	0.01%	3	0.02%
356	glycyl-tRNA synthetase; glycine tRNA ligase (RefSeq aa 1e-45)	NP_002038.1	1	0.01%	3	0.02%
357	coagulation factor XIII, A1 polypeptide (F13A1)	NM_000129.1	1	0.01%	3	0.02%
358	CGI-31 protein (LOC51075),	NM_015959.1	1	0.01%	3	0.02%
359	caltractin (20kD calcium-binding protein) (CALT)	NM_004344.1	1	0.01%	3	0.02%
360	PC3 cell line (TL27)	X75684.1	1	0.01%	3	0.02%
361	glyceraldehyde 3-phosphate dehydrogenase (GADPH)	J02642	41	0.31%	2	0.01%

Figure 15 - Continued

362	ribosomal protein S5 (RPS5)	NM_001009.1	29	0.22%	2	0.01%
363	ribosomal protein L35	U12465	27	0.20%	2	0.01%
364	ribosomal protein S3 (RPS3)	NM_001005.1	21	0.16%	2	0.01%
365	cartilage link protein (CRTL1)	U43328.1	20	0.15%	2	0.01%
366	ribosomal protein S16	M60854	14	0.10%	2	0.01%
367	laminin receptor 1 (67kD, ribosomal protein SA) (LAMR1)(ORF)	NM_002295.1	12	0.09%	2	0.01%
368	ribosomal protein L23a	U43701	11	0.08%	2	0.01%
369	ribosomal protein S15 (RPS15) (=insulinoma rig-analog encoding DNA-t	NM_001018.1	11	0.08%	2	0.01%
370	elongation factor 1 beta 2 (EEF1B2)	NM_001959.1	10	0.07%	2	0.01%
371	collagenase type IV	J03210	10	0.07%	2	0.01%
372	RNA polymerase II elongation factor-like protein	Z47087	8	0.06%	2	0.01%
373	calumein (Calu) (calumenin)	AF013759	8	0.06%	2	0.01%
374	calreticulin (CALR)	M84739	7	0.05%	2	0.01%
375	1-8U gene from interferon-inducible gene family	X57352.1	6	0.04%	2	0.01%
376	BiP protein	X87949	5	0.04%	2	0.01%
377	ATP synthase, H transporting, mitochondrial F1 complex, gamma polyp	NM_005174.1	5	0.04%	2	0.01%
378	ATP synthase, H transporting, mitochondrial F1 complex, alpha subunit	NM_004046.1	5	0.04%	2	0.01%
379	thrombospondin 2 (THBS2)	L12350	5	0.04%	2	0.01%
380	thrombospondin 1 (THBS1)	NM_003246.1	5	0.04%	2	0.01%
381	cytosolic thyroid hormone-binding protein (=M23725 M2-type pyruvate k	M26252	5	0.04%	2	0.01%
382	fatty acid binding protein (adipocyte lipid-binding protein)	NM_001442.1	4	0.03%	2	0.01%
383	78 kD glucose-regulated protein (GRP78) gene (=BiP protein)	M19645.1	4	0.03%	2	0.01%
384	fibrillin (FBN1)	X63556	4	0.03%	2	0.01%
385	nuclease sensitive element binding protein 1 (NSEP1) = L28809.1 dbpB	NM_004559.1	4	0.03%	2	0.01%
386	HSPC016, mRNA /cds=(38,232) /gb=Nm_015933 /gi=7705430 /ug=Hs.1	Hs.171774	4	0.03%	2	0.01%
387	cellular growth-regulating protein	L10844	4	0.03%	2	0.01%
388	anti-oxidant protein 2 (non-selenium glutathione peroxidase, acidic calci	NM_004905.1	4	0.03%	2	0.01%
389	small EDRK-rich factor 2 (SERF2)	NM_005770.1	4	0.03%	2	0.01%
390	chondroadherin (CHAD)	U96769	4	0.03%	2	0.01%
391	general transcription factor 2-I (GTF2I)	AF038968	4	0.03%	2	0.01%
392	CD9 antigen (p24/CD9)	L08125	3	0.02%	2	0.01%
393	prefoldin 5 (PFND5) (=D89667 c-myc binding protein)	NP_002615.1	3	0.02%	2	0.01%
394	tomoregulin	AB004064.1	3	0.02%	2	0.01%
395	phenylalkylamine binding protein gene	AF196969.1	3	0.02%	2	0.01%
396	ERF-1	X79067.1	3	0.02%	2	0.01%
397	collagen type VI alpha 1(COL6A1)	X15880	3	0.02%	2	0.01%
398	KIAA1077	AB029000.1	3	0.02%	2	0.01%
399	SWI/SNF related, matrix associated (SMARCA1)	gi4507066	3	0.02%	2	0.01%
400	ornithine aminotransferase	M29927	3	0.02%	2	0.01%
401	reticulocalbin 2, EF-hand calcium binding domain (RCN2) =X78669 (OR	NM_002902.1	3	0.02%	2	0.01%
402	KIAA0143 gene	D63477.1	3	0.02%	2	0.01%
403	myristoylated alanine-rich C-kinase substrate (=D10522 80K-L protein)	M68956	3	0.02%	2	0.01%
404	laminin, alpha 4 (LAMA4)	NM_002290.1	3	0.02%	2	0.01%
405	vascular endothelial growth factor (VEGF)	AF024710.1	3	0.02%	2	0.01%
406	RNA-binding protein regulatory subunit	AF021819	3	0.02%	2	0.01%
407	ATP SYNTHASE A CHAIN (PROTEIN 6)(ORF)	P00846	3	0.02%	2	0.01%
408	S100 calcium-binding protein A13 (S100A13)	NM_005979.1	3	0.02%	2	0.01%
409	glucocorticoid receptor AF-1 specific elongation factor	AF174496.1	3	0.02%	2	0.01%
410	complement factor H (=M17517)	Y00716	2	0.01%	2	0.01%
411	SPARC-like 1 (mast9, hevin) (SPARCL1)	NM_004684.1	2	0.01%	2	0.01%
412	vacuolar sorting protein VPS29/PEP11 (LOC51699)	NM_016226.1	2	0.01%	2	0.01%
413	UDP-glucose dehydrogenase (UGDH)	AF061016	2	0.01%	2	0.01%

Figure 15 - Continued

414	SET translocation (myeloid leukemia-associated) (SET) =M93651	NM_003011.1	2	0.01%	2	0.01%
415	HSPC035 protein (LOC51669), NPD003	NM_016127.1	2	0.01%	2	0.01%
416	karyopherin alpha 4 (=importin alpha 3) (KPNA4)	NM_002268.1	2	0.01%	2	0.01%
417	CYTOCHROME C OXIDASE POLYPEPTIDE II	spP00403	2	0.01%	2	0.01%
418	apoptosis related protein APR-1	AF143235.2	2	0.01%	2	0.01%
419	HSPC194	AF151028.1	2	0.01%	2	0.01%
420	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor	NM_006854.2	2	0.01%	2	0.01%
421	poly(rC)-binding protein 1 (PCBP1)	NM_006196.1	2	0.01%	2	0.01%
422	immunoglobulin lambda gene	D87003.1	2	0.01%	2	0.01%
423	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 8 (19kD, ASH1)	NM_005004.1	2	0.01%	2	0.01%
424	cyclophilin-related protein (NKTR) gene (=PAC RPC14-613B23)	AF184110.1	2	0.01%	2	0.01%
425	chaperonin containing T-complex subunit 6 (CCT6) = L27706.1	NM_001762.1	2	0.01%	2	0.01%
426	low density lipoprotein receptor	L00352	2	0.01%	2	0.01%
427	chaperonin containing TCP1 subunit 4 (delta) (CCT4)	NM_006430.1	2	0.01%	2	0.01%
428	translocase of outer mitochondrial membrane 20 (yeast) homolog (KIAA)	NM_014765.1	2	0.01%	2	0.01%
429	serine/threonine kinase KPM	AF207547.1	2	0.01%	2	0.01%
430	alcohol dehydrogenase, class III (ADH5) chi subunit	M30471	2	0.01%	2	0.01%
431	phosphatidic acid phosphatase 2a	AB000888	2	0.01%	2	0.01%
432	KIAA0670 protein/acinusL (no-exact match 42% a.a.)	NP_055792.1	2	0.01%	2	0.01%
433	aspartyl-tRNA synthetase (DARS)	NM_001349.1	2	0.01%	2	0.01%
434	cystatin B	U46692	2	0.01%	2	0.01%
435	cytoplasmic beta-actin	M10277	2	0.01%	2	0.01%
436	YEA1 (YY1 and E4TF1 associated factor 1)	AB029551.1	2	0.01%	2	0.01%
437	Zn-15 transcription factor (Zfp-15) (=AB011102 Human KIAA0530)	AF017806	2	0.01%	2	0.01%
438	proteasome (prosome, macropain) subunit, beta type, 7 (PSMB7)	NM_002799.1	2	0.01%	2	0.01%
439	gelsolin, plasma (GSN)	X04412	2	0.01%	2	0.01%
440	C90RF3	AF043897.1	2	0.01%	2	0.01%
441	splicing factor 3b, subunit 2, 145kD (SF3B2)	NM_006842.1	2	0.01%	2	0.01%
442	splicing factor, arginine/serine-rich 4 (SFRS4)	NM_005626.1	2	0.01%	2	0.01%
443	CGI-120 protein (LOC51644)	NM_016057.1	2	0.01%	2	0.01%
444	tumor antigen (L6)	M90657.1	2	0.01%	2	0.01%
445	heat shock factor binding protein 1 (HSBP1)	NM_001537.1	1	0.01%	2	0.01%
446	15 kDa selenoprotein (SEP15)	AF051894	1	0.01%	2	0.01%
447	epidermal growth factor receptor kinase substrate (Eps8)	U12535	1	0.01%	2	0.01%
448	Down syndrome candidate region 1 (DSCR1)	NM_004414.2	1	0.01%	2	0.01%
449	matrilin-2 precursor	U69263	1	0.01%	2	0.01%
450	CYTOCHROME C OXIDASE POLYPEPTIDE I	P00395	1	0.01%	2	0.01%
451	KIAA0663	AB014563	1	0.01%	2	0.01%
452	palmitoyl-protein thioesterase (PPT)	AF022211	1	0.01%	2	0.01%
453	KIAA0102	D14658	1	0.01%	2	0.01%
454	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5 (13kD, B13)	NM_005000.1	1	0.01%	2	0.01%
455	GW128	AF107406	1	0.01%	2	0.01%
456	SLC11A3 iron transporter	AF215636.1	1	0.01%	2	0.01%
457	esterase D	AF112219	1	0.01%	2	0.01%
458	DRP-2 dihydropyrimidinase related protein 2	AB020777.1	1	0.01%	2	0.01%
459	KIAA0530	AB011102	1	0.01%	2	0.01%
460	ribosomal protein L33-like protein	AF047440	1	0.01%	2	0.01%
461	synaptophysin-like protein (SYPL)	gi5803184	1	0.01%	2	0.01%
462	conserved gene amplified in osteosarcoma (OS4)	NM_005730.1	1	0.01%	2	0.01%
463	DNA-binding protein A gene	L29073.1	1	0.01%	2	0.01%
464	YME1 (S.cerevisiae)-like 1 (YME1L1), = AJ132637.1 ATP-dependent me	NM_014263.1	1	0.01%	2	0.01%
465	jumping translocation breakpoint (JTB) =AB016488 hJTB (ORF)	NM_006694.1	1	0.01%	2	0.01%



Figure 15 - Continued

466	MHC class 1 region	AF055066	1	0.01%	2	0.01%
467	plastin 3 (T isoform) (PLS3)	NM_005032.2	1	0.01%	2	0.01%
468	fibroblast growth factor 2 (basic)(FGF2)	NM_002006.1	1	0.01%	2	0.01%
469	NADH dehydrogenase(ubiquinone) 1, alpha/beta subcomplex, 1 (8kD, S	NM_005003.1	1	0.01%	2	0.01%
470	steroid sensitive gene-1 protein (SSG-1)	AF223677.1	1	0.01%	2	0.01%
471	NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 4	P03905	1	0.01%	2	0.01%
472	PROS-27	X59417	1	0.01%	2	0.01%
473	prolylcarboxypeptidase (angiotensinase C) (PRCP)	NM_005040.1	1	0.01%	2	0.01%
474	GLI-Kruppel family member GLI3 (Greig cephalopolysyndactyly syndrom	gi4504014	1	0.01%	2	0.01%
475	zinc finger protein 84 (HPF2) (ZNF84)	NM_003428.1	1	0.01%	2	0.01%
476	oxysterol-binding protein	AB017026	1	0.01%	2	0.01%
477	translation initiation factor (=D21853 hypothetical protein (KIAA0111))	X79538	1	0.01%	2	0.01%
478	prostate cancer tumor suppressor (N33)	NM_006765.1	1	0.01%	2	0.01%
479	cytoskeletal tropomyosin TM30(nm)	X04588.1	1	0.01%	2	0.01%
480	capping protein (actin filament) muscle Z-line, alpha 2 (CAPZA2)	NM_006136.1	1	0.01%	2	0.01%
481	chaperonin containing TCP1, subunit 8 (theta) (CCT8)(ORF)	NM_006585.1	1	0.01%	2	0.01%
482	integrin, alpha E (antigen CD103, human mucosal lymphocyte antigen 1	NM_002208.3	1	0.01%	2	0.01%
483	chondrosarcoma-associated protein 2 (CSA2)	AF182645.1	1	0.01%	2	0.01%
484	housekeeping (Q1Z 7F5) gene	M81806.1	1	0.01%	2	0.01%
485	KIAA0671	AB014571.1	1	0.01%	2	0.01%
486	KIAA1376 protein	AB037797.1	1	0.01%	2	0.01%
487	serine palmitoyl transferase	AF111168.2	1	0.01%	2	0.01%
488	NADH-ubiquinone oxidoreductase B17	AF067167.1	1	0.01%	2	0.01%
489	basic transcription factor 3 (RefSeq aa 4e-39)	NP_001198.1	1	0.01%	2	0.01%
490	CGI-74 protein	AF151832.1	1	0.01%	2	0.01%
491	coxsackievirus and adenovirus receptor (CXADR)	AF200465.1	1	0.01%	2	0.01%
492	insulin receptor	L07782	1	0.01%	2	0.01%
493	leptin receptor (ORF)	U66496	1	0.01%	2	0.01%
494	protein-kinase, interferon-inducible double stranded RNA dependent inh	NP_006251.1	1	0.01%	2	0.01%
495	high-glucose-regulated protein 8 (HGRG8)	AF192968.1	1	0.01%	2	0.01%
496	prefoldin 1 (PFDN1)	NM_002622.1	1	0.01%	2	0.01%
497	KIAA0993	AB023210.1	1	0.01%	2	0.01%
498	Nijmegen breakage syndrome 1 (nibrin) (NBS1)	NM_002485.2	1	0.01%	2	0.01%
499	topoisomerase IIb mRNA, (= TOP2 mRNA for DNA topoisomerase II)	U54831.1	1	0.01%	2	0.01%
500	CUG triplet repeat, RNA-binding protein 2 (CUGBP2), (=apoptosis-relate	NM_006561.1	1	0.01%	2	0.01%
501	galactosidase, alpha (GLA)	NM_000169.1	1	0.01%	2	0.01%
502	methionine adenosyltransferase alpha subunit	L43509	1	0.01%	2	0.01%
503	cysteine protease	D55696.1	1	0.01%	2	0.01%
504	six transmembrane epithelial antigen of prostate (STEAP1)	AF186249.1	1	0.01%	2	0.01%
505	GTT1	AF270647	1	0.01%	2	0.01%
506	HSPC033 protein (HSPC033)	NM_014041.1	1	0.01%	2	0.01%
507	retinal pigment epithelium	L07393.1	1	0.01%	2	0.01%
508	pyrroline-5-carboxylate reductase 1 (PYCR1)	NM_006907.1	1	0.01%	2	0.01%
509	S-adenosylmethionine decarboxylase 1 (AMD1)	NM_001634.3	1	0.01%	2	0.01%
510	sorting nexin 1 (SNX1)	NM_003099.1	1	0.01%	2	0.01%
511	TRAM-like protein (KIAA0057), mRNA	NM_012288.1	1	0.01%	2	0.01%
512	bromodomain-containing 2 (BRD2)= KIAA9001	NM_005104.1	1	0.01%	2	0.01%
513	laminin, beta 2 (laminin S)(LAMB2) mRNA	NM_002292.1	1	0.01%	2	0.01%
514	glutamate dehydrogenase 1 (GLUD1)	NM_005271.1	1	0.01%	2	0.01%
515	leptin receptor gene-related protein (HSOBRGRP)	NM_017526.1	1	0.01%	2	0.01%
516	Ser/Arg-related nuclear matrix protein (plenty of prolines 101-like) (SRM	NM_005839.1	1	0.01%	2	0.01%
517	serum-inducible kinase (SNK)	AF223574.1	1	0.01%	2	0.01%

Figure 15 - Continued

518	quiescin Q6 (QSCN6)(= bone-derived growth factor (BPGF-1))	NM_002826.1	1	0.01%	2	0.01%
519	brain-specific STE20-like protein kinase 3 (STK3)	AF083420.1	1	0.01%	2	0.01%
520	Sec31 protein	AF139184.1	1	0.01%	2	0.01%
521	high-mobility group (nonhistone chromosomal) protein 14 (HMG14)	NM_004965.1	1	0.01%	2	0.01%
522	ribosomal protein, large, P1 (RPLP1)	NM_001003.1	40	0.30%	1	0.01%
523	ribosomal protein S28, yeast homologue	D14530	38	0.28%	1	0.01%
524	ribosomal protein S18	X69150.1	33	0.25%	1	0.01%
525	ribosomal protein L18 (RPL18)	NM_000979.1	28	0.21%	1	0.01%
526	ribosomal protein L18a	L05093.1	27	0.20%	1	0.01%
527	H19 (=PRO2605)	M32053	25	0.19%	1	0.01%
528	RIBOSOMAL PROTEIN S2 (S4) (LLREP3 PROTEIN)	spP15880	24	0.18%	1	0.01%
529	ribosomal protein S10	NM_001014.1	22	0.16%	1	0.01%
530	ribosomal protein L29 (RPL29)	NM_000992.1	21	0.16%	1	0.01%
531	elongation factor 2	X51466	16	0.12%	1	0.01%
532	aggrecan (chondroitin sulfate proteoglycan 1, large aggregating proteoglycan)	U13613	14	0.10%	1	0.01%
533	dolichyl-phosphate beta-glucosyltransferase (ALG5)	AF102850.1	13	0.10%	1	0.01%
534	calcyclin (=M14300 growth factor-inducible 2A9 gene; U04815 protein kinase)	J02763	10	0.07%	1	0.01%
535	mesoderm specific transcript (mouse) homolog (MEST)	NM_002402.1	10	0.07%	1	0.01%
536	androgen receptor associated protein 24 (ARA24) (=AF054183 GTP binding protein)	AF052578	8	0.06%	1	0.01%
537	transmembrane protein (p63)	X69910	8	0.06%	1	0.01%
538	ATP synthase, H transporting, mitochondrial F1F0, subunit g (ATP5JG)	NM_006476.1	7	0.05%	1	0.01%
539	ADP-ribosylation factor 1	M84326.1	7	0.05%	1	0.01%
540	melanoma-associated antigen MG50	AF200348.1	7	0.05%	1	0.01%
541	phosphoglycerate mutase (PGAM-B)	J04173	6	0.04%	1	0.01%
542	transcription factor BTF 3	X74070	6	0.04%	1	0.01%
543	DEK oncogene (DNA binding) (DEK)	gi4503248	5	0.04%	1	0.01%
544	titin (TTN) gene	CAA49245.1	5	0.04%	1	0.01%
545	ISLR (immunoglobulin superfamily containing leucine-rich repeat) gene,	AB024537	5	0.04%	1	0.01%
546	Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV)	NM_001997.1	5	0.04%	1	0.01%
547	shox gene	U82668	5	0.04%	1	0.01%
548	high mobility group-1 protein (HMG-1)	X12597	4	0.03%	1	0.01%
549	collagen type V alpha 2 (COL5A2)	M11718	4	0.03%	1	0.01%
550	cyclin	M74091	4	0.03%	1	0.01%
551	sphingolipid activator protein 1	J03015	4	0.03%	1	0.01%
552	non-metastatic cells 2, protein (NM23B) expressed in (NME2)	NM_002512.1	4	0.03%	1	0.01%
553	filamin (FLNB)	AF191633.1	4	0.03%	1	0.01%
554	H3 histone, family 3B (H3.3B) (H3F3B)	NM_005324.1	4	0.03%	1	0.01%
555	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase (PF2K) (=AB007183)	AF041832	4	0.03%	1	0.01%
556	ornithine decarboxylase antizyme	D87914	4	0.03%	1	0.01%
557	myeloid leukemia factor 2 (MLF2)	NM_005439.1	4	0.03%	1	0.01%
558	PRO2605	AF116709.1	4	0.03%	1	0.01%
559	Cu/Zn superoxide dismutase (SOD)	X02317	3	0.02%	1	0.01%
560	YAP65	X80507.1	3	0.02%	1	0.01%
561	prolyl 4-hydroxylase gene	U14608.1	3	0.02%	1	0.01%
562	protein phosphatase 2A catalytic subunit-beta	M60484	3	0.02%	1	0.01%
563	ubiquitin gene	U49869	3	0.02%	1	0.01%
564	Arp2/3 protein complex subunit p16 (ARC16) =AF006088 (ORF)	NM_005717.1	3	0.02%	1	0.01%
565	eukaryotic translation initiation factor 3, subunit 3 (gamma, 40kD)	gi4503514	3	0.02%	1	0.01%
566	zinc finger protein SLUG (SLUG) gene	AF084243.1	3	0.02%	1	0.01%
567	KIAA0038 gene	D26068.1	3	0.02%	1	0.01%
568	U50HG genes for U50' snoRNA and U50 snoRNA, complete sequence	AB017710	3	0.02%	1	0.01%
569	RAD21 (S. pombe) homolog (RAD21) (=X98294)	gi5453993	3	0.02%	1	0.01%

Figure 15 - Continued

570	transformer-2 alpha (htra-2 alpha)	U53209.1	3	0.02%	1	0.01%
571	karyopherin (importin) beta 1 (KPNB1) (=L38951 importin beta subunit)	gi4504904	3	0.02%	1	0.01%
572	endothelial differentiation-related factor 1 (EDF1)	NM_003792.1	3	0.02%	1	0.01%
573	G8 protein (G8)	NM_016947.1	3	0.02%	1	0.01%
574	KIAA0107	D14663	3	0.02%	1	0.01%
575	KIAA0325 gene	AB002323.1	3	0.02%	1	0.01%
576	xeroderma pigmentosum group E UV-damaged DNA binding factor = NM	U32986.1	3	0.02%	1	0.01%
577	replication factor C (activator 1) 1 (145kD) (RFC1) mRNA	NM_002913.1	3	0.02%	1	0.01%
578	hexokinase 1 (HK1) (=AF016365;X66957)	M75126	3	0.02%	1	0.01%
579	DNA-dependent protein kinase catalytic subunit (DNA-PKcs)	U47077.3	3	0.02%	1	0.01%
580	nucleosome assembly protein 1-like 1 (NAP1L1)	XM_047969.1	3	0.02%	1	0.01%
581	MHC class I (HLA-A)	U59701	3	0.02%	1	0.01%
582	signal sequence receptor, beta (translocon-associated protein beta) (SS	X74104	3	0.02%	1	0.01%
583	KIAA0251	D87438	3	0.02%	1	0.01%
584	eIF4E-like cap-binding protein (4EHP) (=translation initiation factor 4e)	NM_004846.1	3	0.02%	1	0.01%
585	RNA binding motif protein 5 (RBM5)	AF091263.1	3	0.02%	1	0.01%
586	isolate Liv chaperone protein HSP90 beta (HSP90BETA)	AF275719.1	3	0.02%	1	0.01%
587	echinoderm microtubule-associated protein homolog HuEMAP	U97018	3	0.02%	1	0.01%
588	endozepine (putative ligand of benzodiazepine receptor)	M15887.1	2	0.01%	1	0.01%
589	RAN, member RAS oncogene family (RAN), mRNA /cds=(114,764) /gb=	Hs.10842	2	0.01%	1	0.01%
590	actin-related protein Arp3 (ARP3)(actin-related protein 3 yeast)homolog	AF006083.1	2	0.01%	1	0.01%
591	biglycan BGN	U11686.1	2	0.01%	1	0.01%
592	Eukaryotic translation initiation factor 2, subunit 2 (beta, 38kD)(EIF2S2)	NM_003908.1	2	0.01%	1	0.01%
593	CGI-149 protein	AF151907.1	2	0.01%	1	0.01%
594	basic transCRiption factor 2 p44 (btf2p44) gene, partial cds, neuronal ap	U80017.1	2	0.01%	1	0.01%
595	CD36 antigen	L06850.1	2	0.01%	1	0.01%
596	KIAA0436	AB007896	2	0.01%	1	0.01%
597	growth arrest specific transCRipt 5 gene	AF141346.1	2	0.01%	1	0.01%
598	ARP2/3 protein complex subunit 34 (ARC34)	NM_005731.1	2	0.01%	1	0.01%
599	high mobility group 2 protein (HMG-2)	M83665	2	0.01%	1	0.01%
600	pyruvate dehydrogenase (lipoamide) alpha 1 (PDHA1)	NM_000284.1	2	0.01%	1	0.01%
601	sarcoglycan, beta (43kD dystrophin-associated glycoprotein) (SGCB)	NM_000232.1	2	0.01%	1	0.01%
602	tubulin-specific chaperone a (TBCA) (=AF038952 cofactor A protein)	gi4759211	2	0.01%	1	0.01%
603	KIAA0810	AB018353.1	2	0.01%	1	0.01%
604	fatty acid binding protein 5 (psoriasis-associated) (FABP5)	NM_001444.1	2	0.01%	1	0.01%
605	ubiquinol-cytochrome c reductase core protein II (UQCRC2)(ORF) = J04	NM_003366.1	2	0.01%	1	0.01%
606	phosphoglycerate mutase 1 (brain) (PGAM1), mRNA /cds=(31,795) /gb=	Hs.181013	2	0.01%	1	0.01%
607	enhancer of polycomb (Epc1)	AF079765	2	0.01%	1	0.01%
608	KIAA0136	D50926.1	2	0.01%	1	0.01%
609	ubiquinol-cytochrome c reductase (6.4kD) subunit (UQCR)	NM_006830.1	2	0.01%	1	0.01%
610	proteasome-associated pad1 homologue (POH1) 26S	U86782	2	0.01%	1	0.01%
611	cathepsin F (CATSF)	AF071749	2	0.01%	1	0.01%
612	membrane component, chromosome 11, surface marker 1 (M11S1) = Z	NM_005898.1	2	0.01%	1	0.01%
613	signal transducer and activator of transcription 1, 91kD (STAT1)(=transc	NM_007315.1	2	0.01%	1	0.01%
614	cyclin D2(=KIAK0002 gene)	NM_001759.1	2	0.01%	1	0.01%
615	deoxyuridine triphosphatase(DUT) mRNA, complete cds	U62891.1	2	0.01%	1	0.01%
616	cysteinyl-tRNA synthetase	L06845.1	2	0.01%	1	0.01%
617	smooth muscle myosin alkali light chain	U02629.1	2	0.01%	1	0.01%
618	DiGeorge syndrome critical region gene 6 (DGCR6)	NM_005675.1	2	0.01%	1	0.01%
619	cold inducible RNA-binding protein (CIRBP)	NM_001280.1	2	0.01%	1	0.01%
620	HSPC037 protein (LOC51659)	NM_016095.1	2	0.01%	1	0.01%
621	nuclear distribution gene C (A.nidulans) homolog (NUDC)	NM_006600.1	2	0.01%	1	0.01%

Figure 15 - Continued

622	thiosulfate sulfurtransferase (rhodanese) (TST)	X59434	2	0.01%	1	0.01%
623	TL27 (from PC3 cell line)	X75684	2	0.01%	1	0.01%
624	WW domain binding protein-1 (ORF)	U79457.17	2	0.01%	1	0.01%
625	acyl-Coenzyme A dehydrogenase, very long chain (ACADVL), nuclear g	NM_000018.1	2	0.01%	1	0.01%
626	transducin (beta) like 2 (TBL2)	NM_012453.1	2	0.01%	1	0.01%
627	small nuclear ribonucleoprotein polypeptide F (SNRPF)	NM_003095.1	2	0.01%	1	0.01%
628	coatamer protein complex, subunit alpha (COPA), mRNA	NM_004371.2	2	0.01%	1	0.01%
629	sorcin (SRI)	L12387.1	2	0.01%	1	0.01%
630	capping protein (actin filament), gelsolin-like (CAPG)	M94345	2	0.01%	1	0.01%
631	inositol 1,4,5-triphosphate receptor, type 3 (ITPR3)	U01062	2	0.01%	1	0.01%
632	interleukin 11 receptor, alpha (IL11RA)	NM_004512.1	2	0.01%	1	0.01%
633	EGR1 gene for early growth response protein 1 (=zinc finger protein)(=	AJ243425.1	2	0.01%	1	0.01%
634	coatamer protein (COPA)	U24105	2	0.01%	1	0.01%
635	mimcan (OGN) (OIF)	AF202167.1	1	0.01%	1	0.01%
636	MAFB/Kreisler basic region/leucine zipper transCRiption factor (MAFB)	AF134157.1	1	0.01%	1	0.01%
637	Ku autoimmune antigen gene	J04977.1	1	0.01%	1	0.01%
638	myosin light chain 3 non-muscle (MLC3nm)	M31212	1	0.01%	1	0.01%
639	ARP2/3 protein complex subunit p21 (ARC21=AF006086 (ORF)	NM_005719.1	1	0.01%	1	0.01%
640	NS1-binding protein (NS1-BP) (=AB020657 KIAA0850)	AJ012449	1	0.01%	1	0.01%
641	inositol polyphosphate 1-phosphatase gene (INPP1) (low match)	AF141324.1	1	0.01%	1	0.01%
642	uridine diphosphoglucose pyrophosphorylase	U27460	1	0.01%	1	0.01%
643	UDP-glucose pyrophosphorylase 2 (ORF)	NM_006759.1	1	0.01%	1	0.01%
644	KIAA0332	AB002330	1	0.01%	1	0.01%
645	ras-related GTP-binding protein	AF106681.1	1	0.01%	1	0.01%
646	non-histone chromosomal protein (HMG-1)	L08048.1	1	0.01%	1	0.01%
647	lysosomal-associated membrane glycoprotein-1 (LAMP1) (=J04182)	L08582	1	0.01%	1	0.01%
648	cornichon protein	AF070654.1	1	0.01%	1	0.01%
649	KIAA0766	AB018309.1	1	0.01%	1	0.01%
650	Id-2H	D13891	1	0.01%	1	0.01%
651	transCRiption factor (CBFB)	L20298	1	0.01%	1	0.01%
652	KIAA1025	AB028948.1	1	0.01%	1	0.01%
653	LGMD2B	AJ007973	1	0.01%	1	0.01%
654	KIAA0103	D14659	1	0.01%	1	0.01%
655	basic helix-loop-helix domain containing, class B, 2 (BHLHB2), mRNA /c	Hs.171825	1	0.01%	1	0.01%
656	eukaryotic translation initiation factor 3, subunit 10 (theta, 150/170kD)	gi4503508	1	0.01%	1	0.01%
657	protein kinase C inhibitor-I	U27143	1	0.01%	1	0.01%
658	heterogeneous nuclear ribonucleoprotein R (ORF)	AF000364	1	0.01%	1	0.01%
659	growth arrest and DNA-damage-inducible, alpha (GADD45A)	NM_001924.1	1	0.01%	1	0.01%
660	KIAA0077 gene	D38521.1	1	0.01%	1	0.01%
661	CYTOCHROME C OXIDASE POLYPEPTIDE III	P00414	1	0.01%	1	0.01%
662	farnesyl-protein transferase alpha-subunit	L00634	1	0.01%	1	0.01%
663	Polyadenylate binding protein	U75686.1	1	0.01%	1	0.01%
664	Splicing factor proline/glutamine rich (polypyrimidine tract-binding protein	NM_005066.1	1	0.01%	1	0.01%
665	myosin class I, myh-1c	AJ001382	1	0.01%	1	0.01%
666	activin A receptor, type I (ACVR1) =Z22534 ALK-2	NM_001105.1	1	0.01%	1	0.01%
667	KIAA1058 protein	AB028981.1	1	0.01%	1	0.01%
668	tetraspan TM4SF(TSPAN-6)	AF053453	1	0.01%	1	0.01%
669	Rosenthal fiber protein (alpha-B-Crystallin)	M24906	1	0.01%	1	0.01%
670	ring finger protein 4 (RNF4)	gi4506560	1	0.01%	1	0.01%
671	nuclear factor (erythroid-derived 2)-like 2 (NFE2L2) (=S74017 Nrf2=NF- $\kappa$	gi5453775	1	0.01%	1	0.01%
672	myosin-binding protein C, cardiac (MYBPC3)	NM_000256.1	1	0.01%	1	0.01%
673	IQ motif containing GTPase activating protein 1 (IQGAP1)	NM_003870.1	1	0.01%	1	0.01%

Figure 15 - Continued

674	ATP synthase, H transporting, mitochondrial F0 complex, subunit f, isoform 1	NM_004889.1	1	0.01%	1	0.01%
675	cytochrome c oxidase subunit Vb (coxVb)	M19961	1	0.01%	1	0.01%
676	hect domain and RLD 2(HERC2) (=KIAA0393)	NM_004667.2	1	0.01%	1	0.01%
677	integrin cytoplasmic domain associated protein (Icap-1a)	AF012023	1	0.01%	1	0.01%
678	KIAA0235	D87078	1	0.01%	1	0.01%
679	KIAA0252	D87440	1	0.01%	1	0.01%
680	KIAA0693	AB014593	1	0.01%	1	0.01%
681	nickel-specific induction protein (Cap43)	AF004162.1	1	0.01%	1	0.01%
682	PRO1608	AF119850.1	1	0.01%	1	0.01%
683	phosphoribosyl pyrophosphate synthetase subunit I	D00860.1	1	0.01%	1	0.01%
684	phospholipid sCRamblase 1 PLSCR1)	AF098642	1	0.01%	1	0.01%
685	cytochrome oxidase subunit I (COI) and subunit II (COII) pseudogenes	AF035429.1	1	0.01%	1	0.01%
686	wbsCR1 (WBSR1)	AF045555.1	1	0.01%	1	0.01%
687	proteasome (prosome, macropain) subunit, alpha type, 3 (PSMA3)	NM_002788.1	1	0.01%	1	0.01%
688	CLP (CLPP)	L54057.1	1	0.01%	1	0.01%
689	platelet-activating factor acetylhydrolase, isoform 1b, alpha subunit (PAF)	4557740	1	0.01%	1	0.01%
690	P311 protein (P311), mRNA /cds=(202,408) /gb=Nm_004772 /gi=47588	Hs.142827	1	0.01%	1	0.01%
691	small EDRK-rich factor 1, long isoform (SERF1) (=btf2p44)	AF073519.1	1	0.01%	1	0.01%
692	KIAA0592 (ORF)	AB011164	1	0.01%	1	0.01%
693	lysophospholipase (LPL1)	AF081281	1	0.01%	1	0.01%
694	KARP-1-binding protein 3 (=KIAA0470)	AB022659.1	1	0.01%	1	0.01%
695	inducible 6-phosphofructo-2-kinase/fructose 2,6-bisphosphatase (IPFK-2)	AF056320	1	0.01%	1	0.01%
696	reticulocalbin 1, EF-hand calcium binding domain (RCN1)	NM_002901.1	1	0.01%	1	0.01%
697	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5 (16kD, SGD)	NM_002492.1	1	0.01%	1	0.01%
698	major histocompatibility complex, class II, DR beta 1 (HLA-DRB1)	NM_002124.1	1	0.01%	1	0.01%
699	nerve growth factor (HBNF-1)(= OSF-1)(= pleiotropin )	M57399.1	1	0.01%	1	0.01%
700	ras-related C3 botulinum toxin substrate (rac)	M29870	1	0.01%	1	0.01%
701	HSPC328	AF161446.1	1	0.01%	1	0.01%
702	Glutathione transferase omega (GSTO1)	AF212303.1	1	0.01%	1	0.01%
703	NRAS-related gene (D1S155E) (=DKFZp586J0620)	NM_007158.1	1	0.01%	1	0.01%
704	RAB13, member RAS oncogene family (RAB13) mRNA	NM_002870.1	1	0.01%	1	0.01%
705	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 1 (6kD, KFM)	NM_002494.1	1	0.01%	1	0.01%
706	NADH dehydrogenase (ubiquinone) Fe-S protein 6 (13kD) (NADH-coenz	NM_004553.1	1	0.01%	1	0.01%
707	Na,K-ATPase beta subunit (ATP1B)	M25160	1	0.01%	1	0.01%
708	retinoblastoma-binding protein 7 (RBBP7)	NM_002893.1	1	0.01%	1	0.01%
709	zinc finger protein 133 (clone pHZ-13) (ZNF133)	NM_003434.1	1	0.01%	1	0.01%
710	retinoic acid suppression protein A (RSG-A)	AF038964.1	1	0.01%	1	0.01%
711	latent transforming growth factor beta binding protein 2 (LTBP2)	NM_000428.1	1	0.01%	1	0.01%
712	fer-1 (C. elegans)-like 3 (FER1L3) (=AF182317 myoferlin (MYOF))	NM_013451.1	1	0.01%	1	0.01%
713	telomeric repeat binding factor (TRF1)	U40705.1	1	0.01%	1	0.01%
714	prefoldin 2 (PFDN2)	NM_012394.1	1	0.01%	1	0.01%
715	ELK1 (ELK1)	AF080616	1	0.01%	1	0.01%
716	HSPC162 protein (HSPC162)	NM_014183.1	1	0.01%	1	0.01%
717	HSPC218	AF151052.1	1	0.01%	1	0.01%
718	HSPC337	AF161455.1	1	0.01%	1	0.01%
719	iduronate sulphate sulphatase (IDS) gene	L35485.1	1	0.01%	1	0.01%
720	KIAA0081	D42039	1	0.01%	1	0.01%
721	KIAA0099 protein, partial cds	D43951.1	1	0.01%	1	0.01%
722	KIAA0152 (cytotoxic T-cell membrane glycoprotein Ly-3 isolog)	NM_014730.1	1	0.01%	1	0.01%
723	KIAA0188	D80010	1	0.01%	1	0.01%
724	KIAA0419 gene product (KIAA0419)	NM_014711.1	1	0.01%	1	0.01%
725	KIAA0458	AB007927.1	1	0.01%	1	0.01%

Figure 15 - Continued

726	KIAA0484	AB007953.1	1	0.01%	1	0.01%
727	KIAA0696 protein	AB014596	1	0.01%	1	0.01%
728	KIAA0851 gene	AJ297357.1	1	0.01%	1	0.01%
729	KIAA1162	AB032988.1	1	0.01%	1	0.01%
730	channel-like integral membrane protein (AQP-1)	U41518.1	1	0.01%	1	0.01%
731	citron (SLC25A13)	AF118838.1	1	0.01%	1	0.01%
732	L3 pigment (L3)	AF189062.3	1	0.01%	1	0.01%
733	ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1 (UQCRC1)	U51747.2	1	0.01%	1	0.01%
734	matrix metalloproteinase (ADAMTS1) mRNA, complete cds	AF207664.1	1	0.01%	1	0.01%
735	myocyte-specific enhancer factor 2A (MEF2A)	U49020	1	0.01%	1	0.01%
736	retinoblastoma-binding protein 4 (RBBP4) = X74262 RbAp48	NM_005610.1	1	0.01%	1	0.01%
737	T-box transcription factor (Tbx15)	AF041822	1	0.01%	1	0.01%
738	Y-linked zinc finger protein (ZFY) gene (=DKFZp434F2311)	AF114156.1	1	0.01%	1	0.01%
739	polyadenylate binding protein (TIA-1)	M77142	1	0.01%	1	0.01%
740	tetraspanin TM4-A	AF133423.1	1	0.01%	1	0.01%
741	calponin 3, acidic (CNN3)	NM_001839.1	1	0.01%	1	0.01%
742	nonmuscle myosin heavy chain (NMHC)	M31013	1	0.01%	1	0.01%
743	glucocorticoid receptor (GRL) gene	U80947.1	1	0.01%	1	0.01%
744	CDC-like kinase (CLK)	NM_004071.1	1	0.01%	1	0.01%
745	tyrosylprotein sulfotransferase-1 (TPST1)	AF038009	1	0.01%	1	0.01%
746	GTPase-activating protein ras p21 (RASA)	M23379	1	0.01%	1	0.01%
747	CC chemokine gene cluster	AF088219.1	1	0.01%	1	0.01%
748	ARP2 (actin-related protein 2, yeast) homolog (ACTR2)	NM_005722.1	1	0.01%	1	0.01%
749	cdk inhibitor p21 binding protein (TOK-1), (ORF) = AB040450.1	NM_016567.1	1	0.01%	1	0.01%
750	KIAA0160	D63881	1	0.01%	1	0.01%
751	PRO0989	AF116614	1	0.01%	1	0.01%
752	transposon-like element	M23161	1	0.01%	1	0.01%
753	WSB1 isoform 2 (WSB1)	AF240696.1	1	0.01%	1	0.01%
754	UDP-N-acetyl-alpha-D-galactosamine:polypeptide	NM_004481.1	1	0.01%	1	0.01%
755	Rab5 GDP/GTP exchange factor homologue (RABEX5)	NM_014504.1	1	0.01%	1	0.01%
756	eukaryotic translation initiation factor 3, subunit 7 (zeta, 66/67kD)	NM_003753.1	1	0.01%	1	0.01%
757	Id3 gene for HLH type transcription factor	X73428.1	1	0.01%	1	0.01%
758	nuclear autoantigenic sperm protein (histone-binding) (NASP)	NM_002482.1	1	0.01%	1	0.01%
759	APEX nuclease (multifunctional DNA repair enzyme) (RefSeq aa 4e-74)	NP_001632.1	1	0.01%	1	0.01%
760	phosphoribosyl pyrophosphate synthetase-associated protein 1 (PRPSA1)	NM_002766.1	1	0.01%	1	0.01%
761	low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor)	NM_002332.1	1	0.01%	1	0.01%
762	poly(A)-binding protein, nuclear 1 (PABPN1)	gi4758875	1	0.01%	1	0.01%
763	microfibrillar-associated protein 1 (MFAP1)	NM_005926.1	1	0.01%	1	0.01%
764	lamin B receptor (LBR)	NM_002296.1	1	0.01%	1	0.01%
765	guanine nucleotide binding protein 10 (GNG10)	NM_004125.1	1	0.01%	1	0.01%
766	histone H2A.F/Z variant (H2AV)	AF081192	1	0.01%	1	0.01%
767	adipose differentiation-related protein (ADFP)	XM_048266.2	1	0.01%	1	0.01%
768	GL004 protein (RefSeq aa 2e-34)	NP_064579.1	1	0.01%	1	0.01%
769	HDCMC29P	AF068295.1	1	0.01%	1	0.01%
770	HSPC229	AF151063.1	1	0.01%	1	0.01%
771	KIAA0117	D38491	1	0.01%	1	0.01%
772	KIAA0324	AB002322.2	1	0.01%	1	0.01%
773	KIAA0447	AB007916	1	0.01%	1	0.01%
774	KIAA0470	AB007939	1	0.01%	1	0.01%
775	KIAA0488	AB007957.1	1	0.01%	1	0.01%
776	KIAA0770	AB018313.1	1	0.01%	1	0.01%
777	KIAA0772 gene	NM_014835.1	1	0.01%	1	0.01%

Figure 15 - Continued

778	KIAA1190	AB033016.1	1	0.01%	1	0.01%
779	KIAA1404	AB037825.1	1	0.01%	1	0.01%
780	KIAA1507(=FLJ20654)	AB040940.1	1	0.01%	1	0.01%
781	MCT-1 protein (MCT-1)	NM_014060.1	1	0.01%	1	0.01%
782	microspherule protein 1 (MCRS1)	NM_006337.1	1	0.01%	1	0.01%
783	neuroblastoma-amplified protein	AF056195	1	0.01%	1	0.01%
784	NICE-5 protein =AF116721) PRO3094	AJ243666	1	0.01%	1	0.01%
785	non-ocogenic Rho GTPase-specific GTP exchange factor (proto-LBC)	AF127481.1	1	0.01%	1	0.01%
786	PTPRF interacting protein, bindingprotein 1 (liprin beta 1) (RefSeq aa 2e	NP_003613.1	1	0.01%	1	0.01%
787	testis specific protein	AF146738.1	1	0.01%	1	0.01%
788	WRN (WRN)	AF181897.1	1	0.01%	1	0.01%
789	sodium calcium exchanger 1 (NCX1)	U83657	1	0.01%	1	0.01%
790	paraoxonase 2 (PON2)	NM_000305.1	1	0.01%	1	0.01%
791	TP1 gene for triosephosphate isomerase	X69723.1	1	0.01%	1	0.01%
792	adenylosuccinate lyase(ADSL)	NM_000026.1	1	0.01%	1	0.01%
793	purine nucleoside phosphorylase	X00737	1	0.01%	1	0.01%
794	enoyl-CoA hydratase/3-hydroxyacyl-CoA dehydrogenase alpha-subunit	D16480	1	0.01%	1	0.01%
795	dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit	NM_003859.1	1	0.01%	1	0.01%
796	leucine zipper, down-regulated in cancer 1 (LDOC1)	NM_012317.1	1	0.01%	1	0.01%
797	ORNITHINE DECARBOXYLASE (ODC)	spP00860	1	0.01%	1	0.01%
798	alpha-1-antitrypsin	K01396.1	1	0.01%	1	0.01%
799	F-box protein 7 (FBX7)	NM_012179.1	1	0.01%	1	0.01%
800	peroxisomal biogenesis factor 12 (PEX12)	NM_000286.1	1	0.01%	1	0.01%
801	bithoraxoid-like protein (BLP)(= HSPC162 protein (HSPC162))	AF165516.1	1	0.01%	1	0.01%
802	glioma-amplified sequence-41 (GAS41)	NM_006530.1	1	0.01%	1	0.01%
803	B cell RAG associated protein (BRAG) (=AB011170 hypothetical protein	AF026477	1	0.01%	1	0.01%
804	jun D proto-oncogene (JUND)	NM_005354.1	1	0.01%	1	0.01%
805	mel transforming oncogene (derived from cell line NK14)- RAB8 homolog	NM_005370.2	1	0.01%	1	0.01%
806	nuclear factor of activated T-cells, cytoplasmic 4 (NFATC4) mRNA	NM_004554.1	1	0.01%	1	0.01%
807	transcription factor ETR101	M62831	1	0.01%	1	0.01%
808	M5-14 protein (LOC51300)	NM_016589.1	1	0.01%	1	0.01%
809	splicing factor arginine/serine-rich 7 (SFRS7) gene	L41887.1	1	0.01%	1	0.01%
810	splicing factor similar to dnaJ (SPF31)	NM_014280.1	1	0.01%	1	0.01%
811	splicing factor SRp30c gene	U87279.1	1	0.01%	1	0.01%
812	U5 snRNP-associated 102 kDa protein	AF221842.1	1	0.01%	1	0.01%
813	RNA polymerase I 40kD subunit	AF047441	1	0.01%	1	0.01%
814	EBNA-2 co-activator (100kD) (p100)	NM_014390.1	1	0.01%	1	0.01%
815	brain and reproductive organ-expressed (TNFRSF1A modulator) (BRE)	NM_004899.1	1	0.01%	1	0.01%
816	ALEX3 protein (ALEX3)	NM_016607.1	1	0.01%	1	0.01%
817	beta-subunit signal transducing proteins GS/GI (clone 24596)	AF070597	1	0.01%	1	0.01%
818	carbonyl reductase 1 (CBR1)	NM_001757.1	1	0.01%	1	0.01%
819	thioredoxin-like, 32kD (TXNL)	NM_004786.1	1	0.01%	1	0.01%
820	clathrin heavy chain (=D21260 human hypothetical protein (KIAA0034))	J03583	1	0.01%	1	0.01%
821	sodium-dependent multivitamin transporter (SMVT) gene, partial cds	AF116241.1	1	0.01%	1	0.01%
822	synaptic glycoprotein SC2 spliced variant	AF038958	1	0.01%	1	0.01%
823	microtubule-associated protein 1a (MAP1A)	U38292.1	1	0.01%	1	0.01%
824	platelet-derived growth factor A chain (PDGFA) (=X06374)	M83575	1	0.01%	1	0.01%
825	v-jun avian sarcoma virus 17 oncogene homolog (JUN), (=c-jun proto on	NM_002228.2	1	0.01%	1	0.01%
826	Rab9 effector p40	Z97074	1	0.01%	1	0.01%
827	Rho guanine nucleotide-exchange factor, splice variant NET1A	AJ010045.1	1	0.01%	1	0.01%
828	p8 protein (candidate of metastasis 1) (P8)	NM_012385.1	1	0.01%	1	0.01%
829	uncharacterized bone marrow protein BM042 (BM042) (=DKFZp761A11	NM_018458.1	1	0.01%	1	0.01%

Figure 15 - Continued

830	cullin 5 (CUL5)	NM_003478.1	1	0.01%	1	0.01%
831	ADP-ribosylation factor 6 (ARF6)	NM_001663.2	1	0.01%	1	0.01%
832	chloride channel nucleotide-sensitive, 1A (CLNS1A)	NM_001293.1	1	0.01%	1	0.01%
833	JTV-1 (JTV-1)	U24169	1	0.01%	1	0.01%
834	membrane protein-like protein	U21556	1	0.01%	1	0.01%
835	integrin alpha-11 subunit precursor (ITGA11)	AF109681.1	1	0.01%	1	0.01%
836	TRAF and TNF receptor associated protein (ttrap gene)	AJ269473.1	1	0.01%	1	0.01%
837	chromodomain helicase DNA binding protein 4 (CHD4)	NM_001273.1	1	0.01%	1	0.01%
838	Gu protein = PC6010 RNA helicase Gu	U41387.1	1	0.01%	1	0.01%
839	camptothecin resistant clone CEM/C2 DNA topoisomerase I mRNA, part	U07806.1	1	0.01%	1	0.01%
840	cdc14 homologue	AF000367	1	0.01%	1	0.01%
841	G1 to S phase transition 1 (GSPT1)	XM_055673.1	1	0.01%	1	0.01%
842	CASP8 associated protein 2 (RefSeq aa 2e-87)	NP_036247.1	1	0.01%	1	0.01%
843	programmed cell death 6 (PDCD6)	NM_013232.1	1	0.01%	1	0.01%
844	polymerase (DNA-directed) kappa (POLK), mRNA /cds=(172,2784) /gb=	Hs.135756	1	0.01%	1	0.01%
845	replication protein A2 (32kD)(RPA2)	NM_002946.1	1	0.01%	1	0.01%
846	tumor neCrosis factor receptor	M58286	1	0.01%	1	0.01%
847	tumor suppressor protein (101F6), putative	AF040704	1	0.01%	1	0.01%
848	integral type I protein	NM_007364.1	1	0.01%	1	0.01%
849	musculus DnaJ-like protein 1 (Dnajl1)	NM_007869.1	1	0.01%	1	0.01%
850	BRI3	AF272043.1	1	0.01%	1	0.01%
851	novel protein (HSNOV1)	XM_017365.2	1	0.01%	1	0.01%
852	basic leucine zipper nuclear factor 1 (JEM-1) (BLZF1)	NM_003666.1	1	0.01%	1	0.01%
853	glycine cleavage system protein H (aminomethyl carrier) (RefSeq aa 2e-	NP_004474.1	1	0.01%	1	0.01%
854	mitochondrial isoleucine tRNA synthetase, Length = 3387	D28500.1	1	0.01%	1	0.01%
855	LENG5 protein (LENG5), mRNA	NM_024075.1	1	0.01%	1	0.01%



Figure 16 - Relative Est Frequency of Unique Known Genes Common to Mild and Severe cDNA Libraries

Total ESTs from each library		12651		14222	
Gene Name	Accession #	Mild OA		Severe OA	
1 alpha gene sequence (=HSP90)	AF203815.1	580	4.58%	408	2.87%
2 fibronectin (FN)	X02761.1	198	1.57%	379	2.66%
3 collagen type III alpha 1 (COL3A1)	X06700.1	95	0.75%	337	2.37%
4 beta-2 microglobulin gene (B2M)	gbJAF072097.1	200	1.58%	196	1.38%
5 mitochondrial genome (consensus sequence)	X62996	291	2.30%	194	1.36%
6 lumican (LUM)	NM_002345.1	116	0.92%	182	1.28%
7 collagen type I alpha 2 (COL1A2)	NM_000089.1	32	0.25%	176	1.24%
8 thymosin beta-4 (TMSB4X)	M17733	95	0.75%	156	1.10%
9 decorin (DCN)	NM_001920.1	234	1.85%	154	1.08%
10 osteoblast specific factor 2 (OSF-2os)	D13666.1	1	0.01%	123	0.86%
11 vimentin gene (VIM)	Z19554	46	0.36%	102	0.72%
12 mitochondrion, complete genome (=AF382012.1 haplotype M*1 mitoch	NC_001807.2	114	0.90%	92	0.65%
13 elongation factor 1 alpha 1 (EEF1A1)	NM_001402.1	36	0.28%	89	0.63%
14 matrix Gla protein (MGP)	X53331	97	0.77%	80	0.56%
15 ribosomal protein S27 (=metallopainstimulin 1 MPS1)	NM_001030.1	36	0.28%	70	0.49%
16 serine protease=HTRA serine protease (PRSS11)=AF157623.1	Y07921	32	0.25%	57	0.40%
17 ribosomal protein L7	X52967	63	0.50%	54	0.38%
18 proteoglycan 4 (=megakaryocyte stimulating factor)	AAB09089.1	287	2.27%	51	0.36%
19 scrapie responsive protein 1 (SCRG1)	NM_007281.1	56	0.44%	50	0.35%
20 transforming growth factor beta-induced, 68kD (TGFB1)	NM_000358.1	3	0.02%	47	0.33%
21 calmodulin 1 (phosphorylase kinase, delta) (CALM1)	NM_006888.1	31	0.25%	46	0.32%
22 NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4 (9kD, MLR	NM_002489.1	14	0.11%	46	0.32%
23 cytochrome c oxidase subunit VIc (COX6C)	NM_004374.1	22	0.17%	44	0.31%
24 Ribosomal protein S20 (RPS20)	NM_001023.1	23	0.18%	42	0.30%
25 osteonectin gene (SPARC) secreted protein, acidic, cysteine-rich	M25746.1	15	0.12%	42	0.30%
26 tumor protein translationally-controlled 1 (TPT1)	NM_003295.1	26	0.21%	37	0.26%
27 hexabrachion (tenascin C, cytactin) (HXB)	NM_002160.1	7	0.06%	37	0.26%
28 ribosomal protein L34 (RPL34)	NM_000995.1	22	0.17%	36	0.25%
29 thioredoxin (TXN)	J04026	22	0.17%	36	0.25%
30 asporin (ASPN) (LRR class 1)	NM_017680.1	24	0.19%	35	0.25%
31 annexin A2 (ANXA2)(lipocortin II)	NM_004039.1	7	0.06%	34	0.24%
32 transmembrane protein BRI	AF246221.1	37	0.29%	33	0.23%
33 ferritin heavy chain	L20941.1	7	0.06%	33	0.23%
34 ribosomal protein S25 (RPS25)	NM_001028.1	17	0.13%	32	0.23%
35 connective tissue growth factor (CTGF)	U14750	44	0.35%	31	0.22%
36 ribosomal protein L9	U09953	12	0.09%	30	0.21%
37 small nuclear ribonucleoprotein polypeptide G (SNRPG)	X85373	7	0.06%	29	0.20%
38 ribosomal protein S3a	M77234	18	0.14%	28	0.20%
39 translationally controlled tumor protein (TCTP)	X16064	17	0.13%	28	0.20%
40 RIBOSOMAL PROTEIN L17	spP18621	10	0.08%	27	0.19%
41 ribosomal protein L21	U14967.1	14	0.11%	26	0.18%
42 ribosomal protein L31	NM_000993.1	13	0.10%	25	0.18%
43 mimecan (OGN) (OIF)	AF202167.1	19	0.15%	24	0.17%
44 annexin I (lipocortin I) (ANX1) =X05908 (ORF)	NM_000700.1	11	0.09%	24	0.17%
45 putative p150	AAC51271.1	20	0.16%	22	0.15%
46 deleted in split hand/split foot 1 (DSS1)	U41515	11	0.09%	22	0.15%
47 mitochondrial ATPase coupling factor 6 subunit (ATP5A)	M37104	6	0.05%	22	0.15%
48 collagen type VI alpha 3 (COL6A3)	NM_004369.1	5	0.04%	22	0.15%
49 ribosomal protein S13	NM_001017.1	8	0.06%	21	0.15%

Figure 16 - Continued

50	ribosomal RNA 18S	X03205	24	0.19%	20	0.14%
51	ribosomal protein L41	AF026844.1	14	0.11%	20	0.14%
52	cytochrome c oxidase subunit VIIb	Z14244	12	0.09%	20	0.14%
53	ribosomal protein S11 (RPS11)	NM_001015.1	11	0.09%	19	0.13%
54	ribosomal protein L27 (RPL27)	NM_000988.1	7	0.06%	19	0.13%
55	vitamin A responsive cytoskeleton related (JWA)	NM_006407.2	18	0.14%	18	0.13%
56	nascent-polypeptide-associated complex alpha polypeptide (NACA)	NM_005594.1	13	0.10%	18	0.13%
57	HSPC036 protein (=AF077200.1 HSPC014)	AF125097.1	8	0.06%	18	0.13%
58	CGI-134 protein (LOC51023)	NM_016067.1	4	0.03%	18	0.13%
59	ribosomal protein S6	M20020	13	0.10%	17	0.12%
60	ribosomal protein S29	L31610.1	8	0.06%	17	0.12%
61	androgen receptor associated protein 24 (ARA24) (=AF054183 GTP bi	AF052578	7	0.06%	17	0.12%
62	eukaryotic translation initiation factor 4 gamma, 2 (EIF4G2)	NM_001418.1	4	0.03%	17	0.12%
63	Sec61 gamma	AF054184	3	0.02%	17	0.12%
64	ribosomal protein L37	L11567	6	0.05%	16	0.11%
65	integrin beta 1 subunit	X07979.1	6	0.05%	16	0.11%
66	myosin regulatory light chain	X54304	4	0.03%	16	0.11%
67	gap junction protein, alpha 1, 43kD (connexin 43) (GJA1)	NM_000165.2	1	0.01%	16	0.11%
68	ribosomal DNA complete repeating unit	U13369.1	28	0.22%	15	0.11%
69	tumor rejection antigen (gp96) 1 (TRA1)	X15187	19	0.15%	15	0.11%
70	lysosome-associated protein, transmembrane - 4alpha (=D14696.1 Hun	U34259.1	10	0.08%	15	0.11%
71	cytochrome c oxidase, liver specific (EC 1.9.3.1.)	X15822	10	0.08%	15	0.11%
72	prothymosin alpha	M14630	9	0.07%	15	0.11%
73	F1-ATPase epsilon-subunit (ATP5E)	AF052955.1	7	0.06%	15	0.11%
74	cartilage intermediate layer protein, CILP	AB022430.1	17	0.13%	14	0.10%
75	ribosomal protein L6	X69391	11	0.09%	14	0.10%
76	S100 calcium-binding protein A4 (calcium protein, calvasculin, metastas	gi4506764	11	0.09%	14	0.10%
77	ribosomal protein L38	Z26876	7	0.06%	14	0.10%
78	ribosomal protein L35a	NM_000996.1	3	0.02%	14	0.10%
79	H4 histone family, member G (H4FG)	NM_003542.2	3	0.02%	14	0.10%
80	KIAA0005	D13630	19	0.15%	13	0.09%
81	ribosomal protein L26	X69392	11	0.09%	13	0.09%
82	ribosomal protein S24	M31520	10	0.08%	13	0.09%
83	ribosomal protein L44 (RPL44)	NM_001001.1	10	0.08%	13	0.09%
84	collagen lysyl hydroxylase isoform 2 (PLOD2)	U84573	8	0.06%	13	0.09%
85	RIBOSOMAL PROTEIN L10 (QM PROTEIN) (TUMOR SUPPRESSOR	spP27635	6	0.05%	13	0.09%
86	ribosomal protein L30	L05095.1	6	0.05%	13	0.09%
87	hH3.3B gene for histone H3.3	Z48950.1	6	0.05%	13	0.09%
88	ribosomal protein L39	D79205	4	0.03%	13	0.09%
89	calpactin 1 light chain	M81457	3	0.02%	13	0.09%
90	ribosomal protein L23a	U43701	13	0.10%	12	0.08%
91	Ribosomal protein L36 (=RPL44)	AF077043.1	10	0.08%	12	0.08%
92	cysteine dioxygenase	D85777	10	0.08%	12	0.08%
93	ribosomal protein L13	AF112214	6	0.05%	12	0.08%
94	endozepine (putative ligand of benzodiazepine receptor)	M15887.1	6	0.05%	12	0.08%
95	Ribosomal protein L4	NM_000968.1	4	0.03%	12	0.08%
96	heparan sulfate proteoglycan (HSPG) (OCI5)	J04621.1	4	0.03%	12	0.08%
97	pp21 homolog	AF125535.1	4	0.03%	12	0.08%
98	ribosomal protein S8 (RPS8)	NM_001012.1	3	0.02%	12	0.08%
99	calmodulin 2 (phosphorylase kinase, delta) (CALM2)	NM_001743.1	25	0.20%	11	0.08%
100	fibromodulin (FMOD)	NM_002023.2	19	0.15%	11	0.08%
101	caveolin 1 (CAV1)	AF125348.1	11	0.09%	11	0.08%

Figure 16 - Continued

102	ribosomal protein L37a	L22154	8	0.06%	11	0.08%
103	ribosomal protein, large, P0 (RPLP0)	NM_001002.1	6	0.05%	11	0.08%
104	osteomodulin (OMD)	AB000114	6	0.05%	11	0.08%
105	lactate dehydrogenase A (LDHA)	NM_005566.1	5	0.04%	11	0.08%
106	dynein light chain 1 (hdlc1), cytoplasmic	U32944	4	0.03%	11	0.08%
107	fibrillin (FBN1)	X63556	3	0.02%	11	0.08%
108	caldesmon	M64110	3	0.02%	11	0.08%
109	PRO2003	AF116679.1	2	0.02%	11	0.08%
110	ribosomal protein S7	M77233	2	0.02%	11	0.08%
111	ring-box 1 (RBX1)	NM_014248.1	2	0.02%	11	0.08%
112	HSPC005 (=C11orf10)	AF070661	1	0.01%	11	0.08%
113	H factor 1 (complement) (HF1)	NM_000186.1	17	0.13%	10	0.07%
114	high mobility group-1 protein (HMG-1)	X12597	12	0.09%	10	0.07%
115	spermidine/spermine N1-acetyltransferase	Z14136	10	0.08%	10	0.07%
116	ribosomal protein L7a (surf 3) large subunit	M36072	8	0.06%	10	0.07%
117	ribosomal protein L3 (RPL3)	NM_000967.1	7	0.06%	10	0.07%
118	transcription elongation factor B (SIII), polypeptide 1-like (TCEB1L)	NM_003197.2	7	0.06%	10	0.07%
119	78 kD glucose-regulated protein (GRP78) gene (=BiP protein)	M19645.1	6	0.05%	10	0.07%
120	RNA polymerase II elongation factor-like protein	Z47087	5	0.04%	10	0.07%
121	prefoldin 5 (PFDN5) (=D89667 c-myc binding protein)	NP_002615.1	4	0.03%	10	0.07%
122	ribosomal protein L12	L06505	3	0.02%	10	0.07%
123	S100 calcium-binding protein A10 (annexin II ligand, calpactin I, light p	NM_002966.1	3	0.02%	10	0.07%
124	heat shock factor binding protein 1 (HSBP1)	NM_001537.1	2	0.02%	10	0.07%
125	CD9 antigen (p24/CD9)	L08125	10	0.08%	9	0.06%
126	eukaryotic translation initiation factor 3 (EIF3S6) (=INT6)	NM_001568.1	8	0.06%	9	0.06%
127	COX17 (yeast) homolog, cytochrome c oxidase assembly protein (COX	NM_005694.1	8	0.06%	9	0.06%
128	osteoclastogenesis inhibitory factor	AB008822	8	0.06%	9	0.06%
129	clusterin (CLU) SP40,40 (=M63379 TRPM-2 protein)	NM_001831.1	7	0.06%	9	0.06%
130	epithelial membrane protein 1 (EMP1)	NM_001423.1	6	0.05%	9	0.06%
131	BiP protein	X87949	6	0.05%	9	0.06%
132	ATP synthase, H transporting, mitochondrial F0 complex, subunit e (Re	NP_009031.1	4	0.03%	9	0.06%
133	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation pr	NM_003404.1	4	0.03%	9	0.06%
134	ribosomal protein L19	X63527	3	0.02%	9	0.06%
135	matrilin-3 (MATR3)	Y13341	3	0.02%	9	0.06%
136	Tubulin alpha isoform 1	AF081484	2	0.02%	9	0.06%
137	cytochrome c oxidase subunit VIIa (COX7A) muscle isoform	M83186	2	0.02%	9	0.06%
138	ribosomal protein L23	NM_000978.1	1	0.01%	9	0.06%
139	poly(A)-binding protein (PABP)	U68105	1	0.01%	9	0.06%
140	ribosomal protein S4, X-linked (RPS4X)	NM_001007.1	12	0.09%	8	0.06%
141	TSC-22 protein	U35048	12	0.09%	8	0.06%
142	HSPC312 (ORF) = AF161428.1 (=HSPC310)	AF161430	10	0.08%	8	0.06%
143	collagen type XI alpha 1 (COL11A1)	NM_001854.1	7	0.06%	8	0.06%
144	defender against cell death 1 (DAD1)	NM_001344.1	5	0.04%	8	0.06%
145	neuroendocrine-specific protein C like (foocen) (NSP-CL) reticulon 4 (f	NM_007008.1	5	0.04%	8	0.06%
146	calcyclin (=M14300 growth factor-inducible 2A9 gene; U04815 protein	J02763	4	0.03%	8	0.06%
147	solute carrier family 25 (mitochondrial carrier, phosphate carrier), mem	NM_005888.1	4	0.03%	8	0.06%
148	myosin, light polypeptide, regulatory, non-sarcomeric (20kD) (MLCB), r	Hs.233936	4	0.03%	8	0.06%
149	tomoregulin	AB004064.1	4	0.03%	8	0.06%
150	NADH dehydrogenase	X81900	3	0.02%	8	0.06%
151	ATP synthase epsilon chain	AF077045.1	3	0.02%	8	0.06%
152	collagen type V alpha 2 (COL5A2)	M11718	2	0.02%	8	0.06%
153	TGF-beta1R alpha	D50683	2	0.02%	8	0.06%

Figure 16 - Continued

154	thrombospondin 2 (THBS2)	L12350	1	0.01%	8	0.06%
155	ribosomal protein L11	L05092.1	16	0.13%	7	0.05%
156	LINE-1 REVERSE TRANSCRIPTASE HOMOLOG (=putative p150)	spP08547	14	0.11%	7	0.05%
157	ribosomal protein L5	U76609	10	0.08%	7	0.05%
158	mitochondrial ubiquinone-binding protein	M26700	10	0.08%	7	0.05%
159	HSPC310 (=HSPC312)	AF161428.1	8	0.06%	7	0.05%
160	ATP synthase, H transporting, mitochondrial F1F0, subunit g (ATP5JG)	NM_006476.1	7	0.06%	7	0.05%
161	cytochrome c oxidase subunit VIIc (COX7C)	NM_001867.1	7	0.06%	7	0.05%
162	epididymal seCRetory protein (19.5kD) (HE1)	gi5453677	6	0.05%	7	0.05%
163	ribosomal protein S17	M13932	5	0.04%	7	0.05%
164	cytochrome b (ORF)	U09500	5	0.04%	7	0.05%
165	UMP-CMP kinase	AF110643.1	5	0.04%	7	0.05%
166	nucleolar phosphoprotein B23 (NPM1)	M28699	4	0.03%	7	0.05%
167	cartilage-derived C-type lectin (CLECSF1)	AF077345	4	0.03%	7	0.05%
168	histone H3.3	Z48950	4	0.03%	7	0.05%
169	ATP synthase, H transporting, mitochondrial F0 complex, subunit g (A)	Hs.107476	4	0.03%	7	0.05%
170	MORF-related gene X (KIAA0026) (=MRG15)	NM_012286.1	4	0.03%	7	0.05%
171	ATP synthase, H transporting, mitochondrial F1 complex, gamma poly	NM_005174.1	4	0.03%	7	0.05%
172	ATP synthase, H transporting, mitochondrial F1 complex, alpha subun	NM_004046.1	4	0.03%	7	0.05%
173	HSPC163	AF161512	4	0.03%	7	0.05%
174	actin, gamma 1 (ACTG1)	NM_001614.1	3	0.02%	7	0.05%
175	ribosomal protein L22 (RPL22)	NM_000983.1	3	0.02%	7	0.05%
176	muscleblind (Drosophila)-like (MBNL) (=KIAA0428)	NM_021038.1	3	0.02%	7	0.05%
177	ADP-ribosylation factor 4 (ARF4)	AF104238.1	3	0.02%	7	0.05%
178	vacuolar sorting protein VPS29/PEP11 (LOC51699)	NM_016226.1	3	0.02%	7	0.05%
179	palladin (KIAA0992)= CGI-151	NM_016081.1	2	0.02%	7	0.05%
180	vacuolar H-ATPase subunit	AF038954	2	0.02%	7	0.05%
181	calnexin (CANX) integral membrane protein, calnexin, (IP90)	M94859	2	0.02%	7	0.05%
182	annexin A5 (ANXA5)(lipocortin-V)	NM_001154.2	1	0.01%	7	0.05%
183	phosphoglycerate mutase (PGAM-B)	J04173	1	0.01%	7	0.05%
184	tissue inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseud	NM_000362.1	15	0.12%	6	0.04%
185	reverse transCRiptase	D84391	12	0.09%	6	0.04%
186	decay-accelerating factor	M31516	7	0.06%	6	0.04%
187	ribosomal protein L32 (RPL32)	NM_000994.1	6	0.05%	6	0.04%
188	PRO1574 (mitochondrial proteolipid 68MP homolog (PLPM))	AF116639.1	5	0.04%	6	0.04%
189	heterogeneous nuclear ribonucleoprotein D-like (HNRPDL)	NM_005463.1	5	0.04%	6	0.04%
190	heterogeneous nuclear ribonucleoprotein D (hnRNP D) (52% aa)	D55671	5	0.04%	6	0.04%
191	phospholipase A2	M86400	5	0.04%	6	0.04%
192	procollagen-lysine, 2-oxoglutarate 5-dioxygenase (lysine hydroxylase)	Hs.41270	4	0.03%	6	0.04%
193	Cu/Zn superoxide dismutase (SOD)	X02317	4	0.03%	6	0.04%
194	ribosomal protein S12	X53505	3	0.02%	6	0.04%
195	ribosomal protein S23 (RPS23) =D14530 (ORF)	NM_001025.1	3	0.02%	6	0.04%
196	cathepsin K (pseudodysostosis)(CTSK)	NM_000396.1	3	0.02%	6	0.04%
197	p40	AAC51266.1	3	0.02%	6	0.04%
198	integrin, beta 1(fibronectin receptor, beta polypeptide, antigen CD29 in	NM_002211.1	3	0.02%	6	0.04%
199	15 kDa selenoprotein (SEP15)	AF051894	3	0.02%	6	0.04%
200	Fn54	AF001533.2	3	0.02%	6	0.04%
201	ribosomal protein S15a	X84407	2	0.02%	6	0.04%
202	T-cell cyclophilin	Y00052	2	0.02%	6	0.04%
203	FK506 binding protein (Fkbp63)	AF090334	2	0.02%	6	0.04%
204	ATPase, H transporting, lysosomal (vacuolar proton pump) 9kD (ATP6	NM_003945.1	2	0.02%	6	0.04%
205	calumein (Calu) (calumenin)	AF013759	2	0.02%	6	0.04%

Figure 16 - Continued

206	cell division cycle 10 (homologous to CDC10 of <i>S. cerevisiae</i> ) (CDC10)	NM_001788.1	2	0.02%	6	0.04%
207	cig19 (=D31887.1 KIAA0062)	AF026940.1	2	0.02%	6	0.04%
208	phosphoglycerate kinase 1 (PGK1) (ORF)	NM_000291.1	2	0.02%	6	0.04%
209	nuclease sensitive element binding protein 1 (NSEP1) = L28809.1 dbp	NM_004559.1	2	0.02%	6	0.04%
210	cathepsin B (CTSB)	L22569	2	0.02%	6	0.04%
211	CGI-110 protein	AF151868.1	2	0.02%	6	0.04%
212	HS1 protein (=YWHAQ)	X57347	2	0.02%	6	0.04%
213	cell cycle progression 8 protein (CPR8)(ORF)=AF011794	NM_004748.1	2	0.02%	6	0.04%
214	inositol polyphosphate 1-phosphatase gene (INPP1) (low match)	AF141324.1	2	0.02%	6	0.04%
215	ribosomal protein L24 (RPL24) (=ribosomal protein L30)	NM_000986.1	1	0.01%	6	0.04%
216	cyclin	M74091	1	0.01%	6	0.04%
217	NADH dehydrogenase subunit 2 (ND2)	AF014897.2	1	0.01%	6	0.04%
218	Down syndrome candidate region 1 (DSCR1)	NM_004414.2	1	0.01%	6	0.04%
219	NAP (nucleosome assembly protein)	M86667	1	0.01%	6	0.04%
220	MRG15 protein (MRG15)	AF100615.1	1	0.01%	6	0.04%
221	PRO2853	AF119905.1	10	0.08%	5	0.04%
222	RIBOSOMAL PROTEIN L10A (CSA-19)(RPL10A)	P53025	7	0.06%	5	0.04%
223	peptidylglycine alpha-amidating monooxygenase (PAM)	M37721	7	0.06%	5	0.04%
224	selenoprotein P (SEPP1)	Z11793	5	0.04%	5	0.04%
225	insulin-like growth factor binding protein 7 (IGFBP7)	4504618	5	0.04%	5	0.04%
226	growth arrest-specific 1 (GAS1)	NM_002048.1	5	0.04%	5	0.04%
227	extracellular matrix protein	AB011792	5	0.04%	5	0.04%
228	SOD-2 manganese superoxide dismutase	X65965	4	0.03%	5	0.04%
229	miCRosomal signal peptidase	AF061737	4	0.03%	5	0.04%
230	transmembrane glycoprotein (GPNMB)	X76534	4	0.03%	5	0.04%
231	transcription elongation factor A (SII), 1 (TCEA1)	NM_006756.1	4	0.03%	5	0.04%
232	HSPC297 (=HSPC030)	AF161415.1	4	0.03%	5	0.04%
233	cyclin I	D50310	3	0.02%	5	0.04%
234	mitochondrial proteolipid 68MP homolog (PLPM)	NM_004894.1	3	0.02%	5	0.04%
235	hepatitis B virus X interacting protein (XIP)	AF029890	3	0.02%	5	0.04%
236	activated RNA polymerase (PC4)	NM_006713.1	3	0.02%	5	0.04%
237	myosin light chain 3 non-muscle (MLC3nm)	M31212	3	0.02%	5	0.04%
238	heat shock protein 86 (HSP86)	M30626.1	3	0.02%	5	0.04%
239	PTD014	AF092135.1	3	0.02%	5	0.04%
240	polyubiquitin	E12605	2	0.02%	5	0.04%
241	B-cell translocation protein 1 (BTG1)	X61123	2	0.02%	5	0.04%
242	small nuclear ribonucleoprotein D2 polypeptide (16.5kD) (SNRPD2)	NM_004597.3	2	0.02%	5	0.04%
243	pre-mRNA splicing factor (SFRS3)	AF107405.1	2	0.02%	5	0.04%
244	cytochrome c oxidase subunit VIIa polypeptide 2 like (COX7A2L)	NM_004718.1	2	0.02%	5	0.04%
245	FRG1	L76159	2	0.02%	5	0.04%
246	ribosomal protein S16	M60854	1	0.01%	5	0.04%
247	NADH dehydrogenase subunit 4L (RefSeq aa 2e-45)	gi5835396	1	0.01%	5	0.04%
248	mannosidase, beta A, lysosomal (MANBA) gene, and ubiquitin-conjugate	AF224669.1	1	0.01%	5	0.04%
249	CD164 antigen, sialomucin (CD164)	NM_006016.1	1	0.01%	5	0.04%
250	ganglioside expression factor 2 (GEF-2)	NM_007285.1	1	0.01%	5	0.04%
251	factor H homologue	M65294.1	1	0.01%	5	0.04%
252	dihydropyrimidinase-like 3 (DPYSL3)	NM_001387.1	1	0.01%	5	0.04%
253	stromal cell derived factor receptor 1 (SDFR1)	NM_012428.1	1	0.01%	5	0.04%
254	Pcp-2=Purkinje cell protein 2	S40022	1	0.01%	5	0.04%
255	IGSF4 gene	AB017563.1	1	0.01%	5	0.04%
256	collagen type II alpha 1 (COL2A1)	J00116.1	15	0.12%	4	0.03%
257	complement factor H (=M17517)	Y00716	15	0.12%	4	0.03%

Figure 16 - Continued

258	MEN1 region clone epsilon/beta	AF001893.1	8	0.06%	4	0.03%
259	ubiquinol-cytochrome c reductase complex (7.2 kD); hypothetical prote	NP_037519.1	8	0.06%	4	0.03%
260	breast carcinoma amplified sequence 2 (BCAS2)	NM_005872.1	8	0.06%	4	0.03%
261	SUI1 isolog	AF083441.1	6	0.05%	4	0.03%
262	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 5 (RNA helicase, 68kD)	NM_004396.1	6	0.05%	4	0.03%
263	hypoxia-inducible factor 1 alpha (HIF-1 alpha)	U22431	6	0.05%	4	0.03%
264	KIAA0728	AB018271.1	6	0.05%	4	0.03%
265	heat shock 10kD protein 1 (chaperonin 10) (HSPE1)	NM_002157.1	5	0.04%	4	0.03%
266	platelet-derived growth factor receptor alpha (PDGFRA)	M21574	5	0.04%	4	0.03%
267	Clk-associated RS cyclophilin CARS-Cyp	U40763	5	0.04%	4	0.03%
268	ribosomal protein L13a (RPL13A)	NM_012423.1	4	0.03%	4	0.03%
269	ribosomal protein L15	NM_002948.1	4	0.03%	4	0.03%
270	thyroid receptor interactor (TRIP7)	L40357	4	0.03%	4	0.03%
271	vesicle docking protein p115 (P115)	NM_003715.1	4	0.03%	4	0.03%
272	heat shock J2 protein (HSJ2)	AF075601.1	4	0.03%	4	0.03%
273	tumor necrosis factor-inducible (TSG-6)	M31165	4	0.03%	4	0.03%
274	ribosomal protein, large, P1 (RPLP1)	NM_001003.1	3	0.02%	4	0.03%
275	heterogeneous nuclear ribonucleoprotein A1 (HNRPA1)	NM_002136.1	3	0.02%	4	0.03%
276	lysosomal membrane glycoprotein CD63 (=M59907 ME491;X07982)	M58485	3	0.02%	4	0.03%
277	Cyr61 protein (CYR61)	AF031385	3	0.02%	4	0.03%
278	BCL2/adenovirus E1B 19kD-interacting protein 3 (BNIP3)	U15174	3	0.02%	4	0.03%
279	amyloid-beta protein (APP)	M33112.1	3	0.02%	4	0.03%
280	hereditary haemochromatosis region, histone 2A-like protein gene, her	U91328.1	3	0.02%	4	0.03%
281	SEC24 (S. cerevisiae)related gene family, member D (SEC24D), = AK	NM_014822.1	3	0.02%	4	0.03%
282	annexin A4 (ANXA4)	NM_001153.2	3	0.02%	4	0.03%
283	semaphorin E	AB000220	3	0.02%	4	0.03%
284	single-stranded DNA-binding protein (SSBP), nuclear gene encoding n	NM_003143.1	3	0.02%	4	0.03%
285	5' nucleotidase (EC 3.1.3.5)	X55740	3	0.02%	4	0.03%
286	AgX-1 antigen	S73498	3	0.02%	4	0.03%
287	frizzled-related protein (FRZB)	NM_001463.1	2	0.02%	4	0.03%
288	alpha E-catenin (CTNNA1) gene	AF102803.1	2	0.02%	4	0.03%
289	zinc finger transcription factor GKLF	AF105036.1	2	0.02%	4	0.03%
290	KIAA1247	AB033073.1	2	0.02%	4	0.03%
291	Lsm3 protein	AJ238095.1	2	0.02%	4	0.03%
292	SET translocation (myeloid leukemia-associated) (SET) =M93651	NM_003011.1	2	0.02%	4	0.03%
293	arginine-rich nuclear protein	M74002	2	0.02%	4	0.03%
294	actin-related protein Arp3 (ARP3)(actin-related protein 3 yeast)homolog	AF006083.1	2	0.02%	4	0.03%
295	CYTOCHROME C OXIDASE POLYPEPTIDE I	P00395	2	0.02%	4	0.03%
296	PRO0530	AF111849.1	2	0.02%	4	0.03%
297	small acidic protein	U51678	2	0.02%	4	0.03%
298	ATP SYNTHASE E CHAIN, MITOCHONDRIAL	spP56385	2	0.02%	4	0.03%
299	lost on transformation LOT1 (=PLAGL1)	U72621.2	2	0.02%	4	0.03%
300	N2A3 (=DPYSL2) (=dihydropyrimidinase related protein-2)	U97105	2	0.02%	4	0.03%
301	HIC protein	AF054589	2	0.02%	4	0.03%
302	CGI-148 protein	AF151906	2	0.02%	4	0.03%
303	ribosomal protein S21 (RPS21)	L04483	1	0.01%	4	0.03%
304	TI-227H (=tomoregulin; mitochondrial)	D50525	1	0.01%	4	0.03%
305	glucocorticoid-induced GILZ	AF228339	1	0.01%	4	0.03%
306	heat shock 70kD protein 10 (HSC71) (HSPA10)	NM_006597.1	1	0.01%	4	0.03%
307	actin binding protein ABP620	AB029290.1	1	0.01%	4	0.03%
308	profilin II	L10678.1	1	0.01%	4	0.03%
309	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation pr	NM_006826.1	1	0.01%	4	0.03%

Figure 16 - Continued

310	sphingolipid activator protein 1	J03015	1	0.01%	4	0.03%
311	prolyl 4-hydroxylase gene	U14608.1	1	0.01%	4	0.03%
312	prion protein (p27-30) (Creutzfeld-Jakob disease, Gerstmann-Strausler	NM_000311.1	1	0.01%	4	0.03%
313	interleukin 1 receptor, type I (IL1R1) = M27492.1	NM_000877.1	1	0.01%	4	0.03%
314	KIAA0663	AB014563	1	0.01%	4	0.03%
315	palmitoyl-protein thioesterase (PPT)	AF022211	1	0.01%	4	0.03%
316	N-acylsphingosine amidohydrolase (ASAH) (acid ceramidase)	NM_004315.1	1	0.01%	4	0.03%
317	biglycan BGN	U11686.1	1	0.01%	4	0.03%
318	KIAA0102	D14658	1	0.01%	4	0.03%
319	vascular cell adhesion molecule 1 (VCAM1)	M30257	1	0.01%	4	0.03%
320	signal recognition particle subunit 9 (SRP9)	U20998	1	0.01%	4	0.03%
321	somatic cytochrome c (HCS) gene	M22877.1	1	0.01%	4	0.03%
322	calpastatin	D50827	1	0.01%	4	0.03%
323	H-2K binding factor-2	D14041	1	0.01%	4	0.03%
324	nucleobindin 2 (NUCB2)(NEFA protein)	X76732	1	0.01%	4	0.03%
325	Rap1B	U07795	1	0.01%	4	0.03%
326	X (inactive)-specific transCRipt (XIST)	M97168	1	0.01%	4	0.03%
327	NADH-UBIQUINONE OXIDOREDUCTASE MLRQ SUBUNIT (COMPL	spO00483	1	0.01%	4	0.03%
328	XAGL protein	Y15906.1	1	0.01%	4	0.03%
329	KIAA1038	AB028961	1	0.01%	4	0.03%
330	Ku autoimmune antigen gene	J04977.1	9	0.07%	3	0.02%
331	hypoxia-inducible gene 1 (HIG1) (=HSPC010)	AF145385.1	8	0.06%	3	0.02%
332	Tigger1 transposable element	U49973.1	7	0.06%	3	0.02%
333	cytosolic selenium-dependent glutathione peroxidase (=L09159 RHOA	M83094	7	0.06%	3	0.02%
334	sterol carrier protein 2	S52450	6	0.05%	3	0.02%
335	ribosomal protein S3 (RPS3)	NM_001005.1	5	0.04%	3	0.02%
336	enhancer of rudimentary homologue	U66871	5	0.04%	3	0.02%
337	Heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor	NM_004501.1	5	0.04%	3	0.02%
338	epidermal growth factor receptor kinase substrate (Eps8)	U12535	5	0.04%	3	0.02%
339	protein disulfide isomerase-related protein (P5)= D49489	NM_005742.1	5	0.04%	3	0.02%
340	paired mesoderm homeo box 1 (PMX1)	gi5902023	5	0.04%	3	0.02%
341	actin, beta (ACTB)	NM_001101.2	4	0.03%	3	0.02%
342	guanine nucleotide binding protein (G protein), beta polypeptide 2-like	NM_006098.1	4	0.03%	3	0.02%
343	aggrecan (chondroitin sulfate proteoglycan 1, large aggregating proteo	U13613	4	0.03%	3	0.02%
344	trophoblast STAT utron	AF080092.1	4	0.03%	3	0.02%
345	testis enhanced gene transCRipt protein (TEGT)	AF033095	4	0.03%	3	0.02%
346	heterogeneous nuclear ribonucleoprotein K (HNRPK)	NM_002140.1	4	0.03%	3	0.02%
347	UDP-glucose dehydrogenase (UGDH)	AF061016	4	0.03%	3	0.02%
348	uridine diphosphoglucose pyrophosphorylase	U27460	4	0.03%	3	0.02%
349	kinectin 1 (kinesin receptor) (KTN1)(= KIAA0004)	NM_004986.1	4	0.03%	3	0.02%
350	GOLGI 4-TRANSMEMBRANE SPANNING TRANSPORTER MTP (Kl	spQ15012	4	0.03%	3	0.02%
351	neural precursor cell expressed, developmentally down-regulated 5 (N	NM_004404.1	3	0.02%	3	0.02%
352	chloride intracellular channel 4 like (CLIC4L)	NM_013943.1	3	0.02%	3	0.02%
353	DEK oncogene (DNA binding) (DEK)	gi4503248	3	0.02%	3	0.02%
354	S164 (=AC004858 U1 small ribonucleoprotein 1SNRP homologue)	AF109907	3	0.02%	3	0.02%
355	malate dehydrogenase 1, NAD (soluble) (MDH1)	NM_005917.1	3	0.02%	3	0.02%
356	matrilin-2 precursor	U69263	3	0.02%	3	0.02%
357	Golgi autoantigen, golgin subfamily a, 4 (GOLGA4)	NM_002078.2	3	0.02%	3	0.02%
358	spectrin SH3 domain binding protein 1 (SSH3BP1)	NM_005470.1	3	0.02%	3	0.02%
359	GTP-binding protein Sara	AF092130.1	3	0.02%	3	0.02%
360	C2H2 zinc finger protein (ZNF189)	AF025772.1	3	0.02%	3	0.02%
361	SON protein	AF193606	3	0.02%	3	0.02%

Figure 16 - Continued

362	ribosomal protein L14	D87735	2	0.02%	3	0.02%
363	collagen type XII alpha 1 (COL12A1)	U57362	2	0.02%	3	0.02%
364	protein tyrosine phosphatase (hR-PTPu)	X58288	2	0.02%	3	0.02%
365	titin (TTN) gene	CAA49245.1	2	0.02%	3	0.02%
366	16.7Kd protein	AF078845.1	2	0.02%	3	0.02%
367	KIAA0438	AB007898.1	2	0.02%	3	0.02%
368	PAPS synthetase-2 (PAPSS2)	AF074331.1	2	0.02%	3	0.02%
369	ataxia telangiectasia (ATM) gene	U82828.1	2	0.02%	3	0.02%
370	constitutive fragile region FRA3B	AF152363.1	2	0.02%	3	0.02%
371	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5 (13kD, B13	NM_005000.1	2	0.02%	3	0.02%
372	small membrane protein 1 (SMP1)	AF081282	2	0.02%	3	0.02%
373	glutaredoxin	X76648.1	2	0.02%	3	0.02%
374	KIAA0569	AB011141	2	0.02%	3	0.02%
375	KIAA0942 protein (KIAA0942)	NM_015310.1	2	0.02%	3	0.02%
376	cullin 4A (CUL4A)	AF077188.1	2	0.02%	3	0.02%
377	voltage-dependent anion channel (VDAC1)	AF151097.1	2	0.02%	3	0.02%
378	exportin 1 (CRM1, yeast, homolog) (XPO1)(ORF) =D89729, CRM1 pro	NM_003400.1	2	0.02%	3	0.02%
379	progesterone membrane binding protein (PMBP)	5453915	2	0.02%	3	0.02%
380	HSPC204	AF151038.1	2	0.02%	3	0.02%
381	HSPC34 protein	AF100747.1	2	0.02%	3	0.02%
382	TATA element modulatory factor	L01042.1	2	0.02%	3	0.02%
383	CGI-121 protein (LOC51002)	NM_016058.1	2	0.02%	3	0.02%
384	activin beta-A subunit (=cDNA FLJ11041 fis, clone PLACE1004405, d	X57580.1	2	0.02%	3	0.02%
385	ferritin L chain	M11147	1	0.01%	3	0.02%
386	guanine nucleotide binding protein (G protein), alpha stimulating activit	NM_000516.2	1	0.01%	3	0.02%
387	nicotinamide N-methyltransferase (NNMT)	U08021	1	0.01%	3	0.02%
388	protein C inhibitor [human, leukocytes, Genomic, 1402 nt, segment 5 o	S69366.1	1	0.01%	3	0.02%
389	transcription factor BTF 3	X74070	1	0.01%	3	0.02%
390	GAP-associated tyrosine phosphoprotein p62 (Sam68) (SAM68) (=p62	NM_006559.1	1	0.01%	3	0.02%
391	collagen type VI alpha 1 (COL6A1)	X15880	1	0.01%	3	0.02%
392	t-complex-associated-testis-expressed 1-like (TCTE1L)=U02556=RP3	NM_006520.1	1	0.01%	3	0.02%
393	NADH-ubiquinone oxidoreductase AGGG subunit precursor homolog	AF067166.1	1	0.01%	3	0.02%
394	ubiquitin gene	U49869	1	0.01%	3	0.02%
395	CYTOCHROME C OXIDASE POLYPEPTIDE II	spP00403	1	0.01%	3	0.02%
396	cisplatin resistance-associated overexpressed protein	AB034205.1	1	0.01%	3	0.02%
397	Arp2/3 protein complex subunit p16 (ARC16) =AF006088 (ORF)	NM_005717.1	1	0.01%	3	0.02%
398	Eukaryotic translation initiation factor 2, subunit 2 (beta, 38kD)(EIF2S2	NM_003908.1	1	0.01%	3	0.02%
399	p75NTR-associated cell death executor (NADE)	AF187064.1	1	0.01%	3	0.02%
400	GW128	AF107406	1	0.01%	3	0.02%
401	SLC11A3 iron transporter	AF215636.1	1	0.01%	3	0.02%
402	line-1 protein ORF2 (=p150)	B28096	1	0.01%	3	0.02%
403	esterase D	AF112219	1	0.01%	3	0.02%
404	inositol 1,4,5-triphosphate receptor, type 2 (ITPR2)	NM_002223.1	1	0.01%	3	0.02%
405	SPHAR gene for cyclin-related protein	X82554.1	1	0.01%	3	0.02%
406	mitochondrial 16S rRNA	Z70759	1	0.01%	3	0.02%
407	murine leukemia viral (bmi-1) oncogene homolog (BMI1)	NM_005180.1	1	0.01%	3	0.02%
408	S1R protein (S1R) (=CGI-119)	AF113127.1	1	0.01%	3	0.02%
409	basic helix-loop-helix domain containing, class B, 2 (BHLHB2), mRNA	Hs.171825	1	0.01%	3	0.02%
410	predicted osteoblast protein (GS3786), mRNA	NM_014888.1	1	0.01%	3	0.02%
411	frizzled (Drosophila) homolog 1 (FZD1)	NM_003505.1	1	0.01%	3	0.02%
412	Diff33 protein homolog	AF164794.1	1	0.01%	3	0.02%
413	KIAA0244 gene	D87685	1	0.01%	3	0.02%



Figure 16 - Continued

414	PRO2751	AF119896.1	1	0.01%	3	0.02%
415	protein x 0001	AF117230	1	0.01%	3	0.02%
416	dihydrofolate reductase (DHFR)	NM_000791.2	1	0.01%	3	0.02%
417	sorting nexin 3 (SNX3)	AF034546	1	0.01%	3	0.02%
418	two-handed zinc finger protein ZEB	U19969	1	0.01%	3	0.02%
419	beta-COP	X82103	1	0.01%	3	0.02%
420	RAD23 (S. cerevisiae) homolog B (RAD23B)	NM_002874.1	1	0.01%	3	0.02%
421	oligodendrocyte myelin glycoprotein (OMG)	L05367	1	0.01%	3	0.02%
422	KIAA1073	AB028996.1	1	0.01%	3	0.02%
423	PTD011	AF078864	1	0.01%	3	0.02%
424	Arginine-rich protein (ARP)	NM_006010.1	1	0.01%	3	0.02%
425	cyclin G2	U47414	1	0.01%	3	0.02%
426	Hmob33 protein	Y14155.1	1	0.01%	3	0.02%
427	HSPC039 protein	AF125100.1	1	0.01%	3	0.02%
428	Nuclear antigen Sp100 (SP100)	NM_003113.1	1	0.01%	3	0.02%
429	cytochrome-c oxidase subunit VIIaL precursor (COX7AL)	AF134406.1	1	0.01%	3	0.02%
430	metalloproteinase inhibitor TIMP-2	AF127803.1	1	0.01%	3	0.02%
431	DNAJ domain-containing protein MCJ (MCJ)	AF126743.1	1	0.01%	3	0.02%
432	steroid dehydrogenase homolog	AF078850.1	1	0.01%	3	0.02%
433	KIAA0829	AB020636	1	0.01%	3	0.02%
434	tubulin beta	AF070561	6	0.05%	2	0.01%
435	ARP2/3 protein complex subunit p21 (ARC21=AF006086 (ORF)	NM_005719.1	6	0.05%	2	0.01%
436	NS1-binding protein (NS1-BP) (=AB020657 KIAA0850)	AJ012449	6	0.05%	2	0.01%
437	syndecan binding protein (syntenin) (SDCBP)(ORF) = AF000652.1	NM_005625.1	5	0.04%	2	0.01%
438	proline-rich protein with nuclear targeting signal (B4-2)	NM_006813.1	5	0.04%	2	0.01%
439	Nck-associated protein 1 (Nap1) (=AB011159 KIAA0587)	AB014509.1	5	0.04%	2	0.01%
440	CD63 antigen (melanoma 1 antigen) (CD63)	NM_001780.1	4	0.03%	2	0.01%
441	zinc finger protein 216 (ZNF216)	AF062072.1	4	0.03%	2	0.01%
442	sin3 associated polypeptide (SAP18)	AF153608	4	0.03%	2	0.01%
443	sema domain immunoglobulin domain (Ig)(semaphorin) 3E (SEMA3E)	(NM_012431.1	4	0.03%	2	0.01%
444	HepG2	D17039	4	0.03%	2	0.01%
445	RGC32 protein (RGC32)	NM_014059.1	4	0.03%	2	0.01%
446	UDP-glucose pyrophosphorylase 2 (ORF)	NM_006759.1	4	0.03%	2	0.01%
447	HSPC238	AF151072.1	4	0.03%	2	0.01%
448	polyposis locus (DP1 gene)	M73547	4	0.03%	2	0.01%
449	proteasome (prosome, macRopain) subunit, beta type, 1 (PSMB1)	NM_002793.1	4	0.03%	2	0.01%
450	cytoskeletal gamma-actin	X04098	3	0.02%	2	0.01%
451	elongation factor 1 beta 2 (EEF1B2)	NM_001959.1	3	0.02%	2	0.01%
452	NADH dehydrogenase(ubiquinone) Fe-S protein 5 (15kD) (NADH-coen	NM_004552.1	3	0.02%	2	0.01%
453	hairy (Drosophila)-homolog (HRY)	NM_005524.2	3	0.02%	2	0.01%
454	HSPC035 protein (LOC51669), NPD003	NM_016127.1	3	0.02%	2	0.01%
455	KIAA0970	AB023187.1	3	0.02%	2	0.01%
456	KIAA0332	AB002330	3	0.02%	2	0.01%
457	PTD010	AF078863.1	3	0.02%	2	0.01%
458	glyoxalase-I (GLO1)	AF146651.1	3	0.02%	2	0.01%
459	ras-related GTP-binding protein	AF106681.1	3	0.02%	2	0.01%
460	non-histone chromosomal protein (HMG-1)	L08048.1	3	0.02%	2	0.01%
461	SON DNA binding protein (SON)	X63753	3	0.02%	2	0.01%
462	N-terminal acetyltransferase complex ard1 subunit	AF085355.1	3	0.02%	2	0.01%
463	CMP-N-acetylneuraminic acid hydroxylase	AF074480.1	3	0.02%	2	0.01%
464	KIAA1250	AB033076.1	3	0.02%	2	0.01%
465	5-aminoimidazole-4-carboxamide ribonucleotide	NM_004044.1	3	0.02%	2	0.01%

Figure 16 - Continued

466	adenylyl cyclase-associated protein (CAP)	L12168	3	0.02%	2	0.01%
467	enterocyte differentiation associated factor EDAF-1	U62136.2	3	0.02%	2	0.01%
468	E6-AP ubiquitin-protein ligase (UBE3A)	AF009341.1	3	0.02%	2	0.01%
469	AKAP450 protein	AJ131693.1	3	0.02%	2	0.01%
470	protein-L-isoaspartate (D-aspartate) O-methyltransferase (PCMT1) (OF	NM_005389.1	3	0.02%	2	0.01%
471	ribosomal protein, large P2 (RPLP2)	NM_001004.1	2	0.02%	2	0.01%
472	metallothionein-le (hMT-le)	M10942	2	0.02%	2	0.01%
473	thymosin beta-10	S54005	2	0.02%	2	0.01%
474	ubiquitin-conjugating enzyme E2B (RAD6 homolog) (UBE2B)	NM_003337.1	2	0.02%	2	0.01%
475	SMT3 (suppressor of mif two 3, yeast) homolog 2 (SMT3H2)	NM_006937.1	2	0.02%	2	0.01%
476	AD-017 protein	AF157318.1	2	0.02%	2	0.01%
477	KIAA0164	D79986	2	0.02%	2	0.01%
478	KIAA1077	AB029000.1	2	0.02%	2	0.01%
479	trichorhinophalangeal syndrome I gene (TRPS1)	NM_014112.1	2	0.02%	2	0.01%
480	TATA box binding protein (TBP)-associated factor, RNA polymerase II	NM_005642.1	2	0.02%	2	0.01%
481	SWI/SNF related, matrix associated (SMARCA1)	gi4507066	2	0.02%	2	0.01%
482	karyopherin alpha 4 (=importin alpha 3) (KPNA4)	NM_002268.1	2	0.02%	2	0.01%
483	apoptosis related protein APR-1	AF143235.2	2	0.02%	2	0.01%
484	sorting nexin 6 (SNX6)	AF121856.1	2	0.02%	2	0.01%
485	progesterone binding protein (HPR6.6)	gi5729874	2	0.02%	2	0.01%
486	proteasome subunit HC9	D00763	2	0.02%	2	0.01%
487	dermatopontin	Z22865	2	0.02%	2	0.01%
488	KIAA0766	AB018309.1	2	0.02%	2	0.01%
489	Id-2H	D13891	2	0.02%	2	0.01%
490	CGI-07 protein	AF132941.1	2	0.02%	2	0.01%
491	DNA polymerase zeta catalytic subunit (REV3)	AF157476.1	2	0.02%	2	0.01%
492	KIAA0382	AB002380	2	0.02%	2	0.01%
493	KIAA1053	AB028976.1	2	0.02%	2	0.01%
494	NY-REN-45 antigen (LOC51133)	NM_016121.1	2	0.02%	2	0.01%
495	splicing factor (CC1.4)	L10911.1	2	0.02%	2	0.01%
496	t-complex polypeptide 1	X52882	2	0.02%	2	0.01%
497	restin (Reed-Steinberg cell-expressed intermediate filament-associated	NM_002956.1	2	0.02%	2	0.01%
498	mannose 6-phosphate receptor, 46 kD (MPR46)	X56257	2	0.02%	2	0.01%
499	replication protein A3 (14kD) (RPA3)	NM_002947.1	2	0.02%	2	0.01%
500	anaphase promoting complex subunit 10	AF132794.1	2	0.02%	2	0.01%
501	KIAA0729	AB018272.1	2	0.02%	2	0.01%
502	lysophospholipase I (LYPLA1)	NM_006330.1	2	0.02%	2	0.01%
503	cofilin isoform 1	AF134802	2	0.02%	2	0.01%
504	HSPC213 (=HSPC327)	AAF36133.1	2	0.02%	2	0.01%
505	sperm antigen-36	AF187554.1	2	0.02%	2	0.01%
506	epb72	X85117	2	0.02%	2	0.01%
507	ribosomal protein L27A	AB020236.1	1	0.01%	2	0.01%
508	ubiquitin A-52 residue ribosomal protein fusion product 1 (UBA52)	gi4507760	1	0.01%	2	0.01%
509	enolase 1 (alpha) (ENO1)	NM_001428.1	1	0.01%	2	0.01%
510	dolichyl-phosphate beta-glucosyltransferase (ALG5)	AF102850.1	1	0.01%	2	0.01%
511	glutamine synthetase	S70290	1	0.01%	2	0.01%
512	syntaxin 4 binding protein UNC-18c (UNC-18c)	AF032922.1	1	0.01%	2	0.01%
513	lactate dehydrogenase B (LDH-B)	Y00711	1	0.01%	2	0.01%
514	protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform (F	NM_002715.1	1	0.01%	2	0.01%
515	cellular growth-regulating protein	L10844	1	0.01%	2	0.01%
516	ornithine aminotransferase	M29927	1	0.01%	2	0.01%
517	ORF2 contains a reverse transcriptase domain	AAA51622.1	1	0.01%	2	0.01%

Figure 16 - Continued

518	ORF2 contains a reverse transcriptase domain	AAB59368.1	1	0.01%	2	0.01%
519	transforming, acidic coiled-coil containing protein 1 (TACC1=AF049910)	NM_006283.1	1	0.01%	2	0.01%
520	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor	NM_006854.2	1	0.01%	2	0.01%
521	poly(rC)-binding protein 1 (PCBP1)	NM_006196.1	1	0.01%	2	0.01%
522	Ia-associated invariant gamma-chain gene	M13560	1	0.01%	2	0.01%
523	uncharacterized bone marrow protein BM034 (=AK000571 FLJ20564)	AF217511.1	1	0.01%	2	0.01%
524	zinc finger protein SLUG (SLUG) gene	AF084243.1	1	0.01%	2	0.01%
525	basic transcription factor 2 p44 (btf2p44) gene, partial cds, neuronal	U80017.1	1	0.01%	2	0.01%
526	homeobox protein CDX4 (CDX4) gene	AF003530.1	1	0.01%	2	0.01%
527	KIAA0530	AB011102	1	0.01%	2	0.01%
528	ribosomal protein L33-like protein	AF047440	1	0.01%	2	0.01%
529	SOX4	AF124147.1	1	0.01%	2	0.01%
530	growth arrest specific transcription factor 5 gene	AF141346.1	1	0.01%	2	0.01%
531	protein phosphatase 1 catalytic subunit, beta isoform (PPP1CB)	NM_002709.1	1	0.01%	2	0.01%
532	glutaminase C	AF158555.1	1	0.01%	2	0.01%
533	DNA-binding protein A gene	L29073.1	1	0.01%	2	0.01%
534	YME1 (S.cerevisiae)-like 1 (YME1L1), = AJ132637.1 ATP-dependent m	NM_014263.1	1	0.01%	2	0.01%
535	LIM and SH3 protein 1 (LASP1) (=X82456 MLN50)	gi5453709	1	0.01%	2	0.01%
536	high mobility group 2 protein (HMG-2)	M83665	1	0.01%	2	0.01%
537	eukaryotic translation initiation factor 3, subunit 10 (theta, 150/170kD)	gi4503508	1	0.01%	2	0.01%
538	protein kinase C inhibitor-1	U27143	1	0.01%	2	0.01%
539	diphosphoinositol polyphosphate phosphohydrolase type 2 (NUDT4)	AF191654.2	1	0.01%	2	0.01%
540	copine III (CPNE3) (=AB014536 KIAA0636)	gi4503014	1	0.01%	2	0.01%
541	KIAA0077 gene	D38521.1	1	0.01%	2	0.01%
542	KIAA0680 gene product (KIAA0680)	NM_014721.1	1	0.01%	2	0.01%
543	KIAA1013	AB023230.1	1	0.01%	2	0.01%
544	secreting protein of unknown function (SPUF)	AF173937.1	1	0.01%	2	0.01%
545	CYTOCHROME C OXIDASE POLYPEPTIDE III	P00414	1	0.01%	2	0.01%
546	farnesyl-protein transferase alpha-subunit	L00634	1	0.01%	2	0.01%
547	sequestosome 1 (SQSTM1) (=U46751.1 phosphotyrosine independent	NM_003900.1	1	0.01%	2	0.01%
548	Splicing factor proline/glutamine rich (polypyrimidine tract-binding prote	NM_005066.1	1	0.01%	2	0.01%
549	activin A receptor, type I (ACVR1) =Z22534 ALK-2	NM_001105.1	1	0.01%	2	0.01%
550	M-phase phosphoprotein homologue	AF100742.1	1	0.01%	2	0.01%
551	KIAA0336 gene	NM_014635.1	1	0.01%	2	0.01%
552	CGI-130 protein	AF151888.1	1	0.01%	2	0.01%
553	KIAA1058 protein	AB028981.1	1	0.01%	2	0.01%
554	LIV-1 protein, estrogen regulated (LIV-1) (=U41060)	7106340	1	0.01%	2	0.01%
555	Rosenthal fiber protein (alpha-B-Crystallin)	M24906	1	0.01%	2	0.01%
556	BPTF mRNA for bromodomain PHD finger transcription factor	AB032251.1	1	0.01%	2	0.01%
557	alpha subunit of GsGTP binding protein (GSA)	X56009	1	0.01%	2	0.01%
558	proteasome (prosome, macropain) subunit, beta type, 3 (PSMB3)	NM_002795.1	1	0.01%	2	0.01%
559	heterogeneous nuclear protein similar to rat helix destabilizing protein	(NM_005758.1	1	0.01%	2	0.01%
560	Golgi vesicular membrane trafficking protein p18 (BET1)	gi5031610	1	0.01%	2	0.01%
561	fukutin	AB038490.1	1	0.01%	2	0.01%
562	KIAA0276	D87466	1	0.01%	2	0.01%
563	promyelocytic leukemia cell	M11948	1	0.01%	2	0.01%
564	phosphoglucosyltransferase 1 (PGM1)	M83088	1	0.01%	2	0.01%
565	nucleotide binding protein, estradiol-induced (E2IG3)	NM_014366.1	1	0.01%	2	0.01%
566	Lysyl tRNA Synthetase	D32053.1	1	0.01%	2	0.01%
567	TPRC (=X97124 papillary renal cell carcinoma (translocation-associate	X99720	1	0.01%	2	0.01%
568	nuclear matrix protein 55	U89867.1	1	0.01%	2	0.01%
569	RNA binding motif protein 3 (RBM3) (=U28686)	5803136	1	0.01%	2	0.01%

Figure 16 - Continued

570	CGI-34 protein	AF132968.1	1	0.01%	2	0.01%
571	mitogen-activated protein kinase 3 (MAP4K3)	4506376	1	0.01%	2	0.01%
572	calcium channel alpha1E subunit (CACNA1E) gene	AF223391.1	1	0.01%	2	0.01%
573	brain cellular apoptosis susceptibility protein (CSE1)	AF053641	1	0.01%	2	0.01%
574	vacuolar ATPase isoform VA68	AF113129.1	1	0.01%	2	0.01%
575	sepin 2-like cell division control protein	AF146760.1	1	0.01%	2	0.01%
576	KIAA1265	AB033091	1	0.01%	2	0.01%
577	guanylate binding protein isoform II (GBP-2)	M55543	1	0.01%	2	0.01%
578	RING zinc finger protein (RZF)	AF037204	1	0.01%	2	0.01%
579	L-isoaspartyl/D-aspartyl protein carboxyl methyltransferase isozyme I	M93009	1	0.01%	2	0.01%
580	cytochrome succinate dehydrogenase, small subunit	AB026906.1	1	0.01%	2	0.01%
581	interleukin 13 receptor alpha 1 (IL13RA1)	NM_001560.1	1	0.01%	2	0.01%
582	15 kDa selenoprotein (SEP15), mRNA /cds=(4,492) /gb=NM_004261 /	Hs.90606	1	0.01%	2	0.01%
583	HSPC019	AF077205.1	1	0.01%	2	0.01%
584	KIAA0783	AB018326.1	1	0.01%	2	0.01%
585	NDPP-1 protein	D10727.1	1	0.01%	2	0.01%
586	Sid3177	AB024935.1	1	0.01%	2	0.01%
587	SON DNA binding protein isoform E (SON) mRNA, complete cds, alter	Hs.92909	1	0.01%	2	0.01%
588	split hand/foot deleted gene 1	NP_033195.1	1	0.01%	2	0.01%
589	MKP-1 like protein tyrosine phosphatase	AF038844	1	0.01%	2	0.01%
590	Gem GTPase (gem)	U10550	1	0.01%	2	0.01%
591	plasma cell membrane glycoprotein (PC-1)	M57736.1	1	0.01%	2	0.01%
592	acyl-CoA synthetase 4 (ACS4)	AF030555	1	0.01%	2	0.01%
593	NADH-ubiquinone oxidoreductase MNLL subunit	AF050638.1	1	0.01%	2	0.01%
594	leucine-rich repeat (LRR) protein (P37NB) 37 kDa	NM_005824.1	1	0.01%	2	0.01%
595	beta-migrating plasminogen activator inhibitor I	M14083	1	0.01%	2	0.01%
596	proteasome subunit X (=X95586 MB1)	D29011	1	0.01%	2	0.01%
597	FUSE binding protein 3 (FBP3)	U69127.1	1	0.01%	2	0.01%
598	transcriptional activation factor TAFII32 (=AF151895 CGI-137 protein	U21858	1	0.01%	2	0.01%
599	CGI-114 protein (=DKFZp566E144)	AF151872.1	1	0.01%	2	0.01%
600	CGI-123 protein	AF151881.1	1	0.01%	2	0.01%
601	CGI-24 protein	AF132958.1	1	0.01%	2	0.01%
602	nuclear pore complex protein hnup153	Z25535	1	0.01%	2	0.01%
603	ras-related YPT1 protein (ORF)	P11476	1	0.01%	2	0.01%
604	Opa-interacting protein OIP2	AF025438	1	0.01%	2	0.01%
605	cartilage link protein (CRTL1)	U43328.1	31	0.25%	1	0.01%
606	fatty acid binding protein (adipocyte lipid-binding protein)	NM_001442.1	18	0.14%	1	0.01%
607	hemoglobin beta chain (HBB)	AF117710	16	0.13%	1	0.01%
608	fatty acid binding protein 4, adipocyte (FABP4), mRNA /cds=(47,445) /	Hs.83213	15	0.12%	1	0.01%
609	ubiquitin-like 1 (sentrin) (UBL1) (=SUMO-1)	NM_003352.1	9	0.07%	1	0.01%
610	phenylalkylamine binding protein gene	AF196969.1	7	0.06%	1	0.01%
611	signal recognition particle 14kD (homologous Alu RNA-binding protein)	NM_003134.1	6	0.05%	1	0.01%
612	KVLQT1 gene (=p150)	AJ006345.1	6	0.05%	1	0.01%
613	alpha-2-macroglobulin	D83196	6	0.05%	1	0.01%
614	metallothionein 1L (MT1L)	NM_002450.1	5	0.04%	1	0.01%
615	thrombospondin 1 (THBS1)	NM_003246.1	5	0.04%	1	0.01%
616	Kallmann syndrome 1 (KAL1) (=ADMLX=putative adhesion molecule)	NM_000216.1	5	0.04%	1	0.01%
617	YAP65	X80507.1	4	0.03%	1	0.01%
618	protein phosphatase 2A catalytic subunit-beta	M60484	4	0.03%	1	0.01%
619	KIAA0191 (zinc finger homolog)	D83776	4	0.03%	1	0.01%
620	protein immuno-reactive with anti-PTH polyclonal antibodies	U28831.1	4	0.03%	1	0.01%
621	ATP SYNTHASE GAMMA CHAIN, MITOCHONDRIAL PRECURSOR	spP36542	4	0.03%	1	0.01%

Figure 16 - Continued

622	catalase	X04076	4	0.03%	1	0.01%
623	HSPC067	AF161552_1	4	0.03%	1	0.01%
624	ribosomal RNA 16S gene	AF036006.1	4	0.03%	1	0.01%
625	ribosomal protein L8	Z28407	3	0.02%	1	0.01%
626	peripheral myelin protein 22	M94048	3	0.02%	1	0.01%
627	dioxin-inducible cytochrome P450 (CYP1B1)	U03688.1	3	0.02%	1	0.01%
628	MAGUK protein p55T (=AB002323 KIAA0325)	AF162130.1	3	0.02%	1	0.01%
629	PPP1R5	AF110824.1	3	0.02%	1	0.01%
630	splicing factor SRp40-1 (SRp40)	U30826.1	3	0.02%	1	0.01%
631	splicing factor, arginine/serine-rich 5 (RefSeq aa 1e-54)	NP_008856.1	3	0.02%	1	0.01%
632	NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 1	spP03886	3	0.02%	1	0.01%
633	HSPC307	AF161425.1	3	0.02%	1	0.01%
634	immunoglobulin light chain	D87000	3	0.02%	1	0.01%
635	lysosomal-associated membrane glycoprotein-1 (LAMP1) (=J04182)	L08582	3	0.02%	1	0.01%
636	cornichon protein	AF070654.1	3	0.02%	1	0.01%
637	okadaic acid-inducible and cAMP-regulated phosphoprotein 19 (ARPP)	AF084555.1	3	0.02%	1	0.01%
638	SH3 domain-containing protein SH3P18	U61167	3	0.02%	1	0.01%
639	KIAA1025	AB028948.1	3	0.02%	1	0.01%
640	LGMD2B	AJ007973	3	0.02%	1	0.01%
641	CAR (RFP2)	AF279660	3	0.02%	1	0.01%
642	NADH dehydrogenase(ubiquinone) 1 beta subcomplex, 3 (12kD, B12)	NM_002491.1	3	0.02%	1	0.01%
643	KIAA0579	AB011151.1	3	0.02%	1	0.01%
644	KIAA0977	AB023194.1	3	0.02%	1	0.01%
645	KIAA0573	AB011145	3	0.02%	1	0.01%
646	polyadenylate binding protein-interacting protein 1 (PAIP1)	NM_006451.1	3	0.02%	1	0.01%
647	Translocon associated protein gamma subunit	spQ9UNL2	3	0.02%	1	0.01%
648	secreted frizzled-related protein 4 (SFRP4)	NM_003014.2	3	0.02%	1	0.01%
649	phosphatase 1, catalytic subunit, gamma isoform (PPP1CC) mRNA	NM_002710.1	3	0.02%	1	0.01%
650	ring finger protein (C3H2C3 type) 6 (RNF6)	NM_005977.1	3	0.02%	1	0.01%
651	putative transmembrane protein E3-16	AF092128.1	3	0.02%	1	0.01%
652	epithelial protein lost in neoplasm beta (EPLIN)	NM_016357.1	3	0.02%	1	0.01%
653	laminin receptor 1 (67kD, ribosomal protein SA) (LAMR1)(ORF)	NM_002295.1	2	0.02%	1	0.01%
654	t-complex-associated-testis-expressed 1-like 1 (TCTEL1)	NM_006519.1	2	0.02%	1	0.01%
655	collagen type XIV variant C-terminal NC1 and 3'UTR	Y11711	2	0.02%	1	0.01%
656	reverse transcriptase related protein	prf1207289A	2	0.02%	1	0.01%
657	JKTBP2, JKTBP1, complete cds	AB017018.1	2	0.02%	1	0.01%
658	latent transforming growth factor beta binding protein 1 (LTBP1)	NM_000627.1	2	0.02%	1	0.01%
659	laminin B2 chain	M55210	2	0.02%	1	0.01%
660	HSPC025 (HSPC025)	NM_016091.1	2	0.02%	1	0.01%
661	insulin-like growth factor I	X57025	2	0.02%	1	0.01%
662	clathrin, light polypeptide (Lca) (CLTA)	NM_007096.1	2	0.02%	1	0.01%
663	IDN3	AB019494.1	2	0.02%	1	0.01%
664	KIAA0069 gene	D31885.1	2	0.02%	1	0.01%
665	immunoglobulin lambda gene	D87003.1	2	0.02%	1	0.01%
666	KIAA0038 gene	D26068.1	2	0.02%	1	0.01%
667	disabled 2 p93 (DAB2) (mitogen-responsive phosphoprotein) (DAB2)	AF188298.1	2	0.02%	1	0.01%
668	CD36 antigen	L06850.1	2	0.02%	1	0.01%
669	guanine nucleotide binding protein 11 (GNG11) = U31384.1	NM_004126.1	2	0.02%	1	0.01%
670	KIAA0436	AB007896	2	0.02%	1	0.01%
671	conserved gene amplified in osteosarcoma (OS4)	NM_005730.1	2	0.02%	1	0.01%
672	mitochondrial coxII	X55654.1	2	0.02%	1	0.01%
673	cytochrome C oxidase II subunit (ORF)	X55654	2	0.02%	1	0.01%

Figure 16 - Continued

674	NADH-ubiquinone oxidoreductase subunit CI-B14	AF047182	2	0.02%	1	0.01%
675	mouse tropomyosin homolog (HSPC001) = AF047439(ORF)	NM_004872.1	2	0.02%	1	0.01%
676	heterogeneous nuclear ribonucleoprotein R (ORF)	AF000364	2	0.02%	1	0.01%
677	destrin (actin depolymerizing factor) (ADF)	5802965	2	0.02%	1	0.01%
678	KIAA0127	NM_014755.1	2	0.02%	1	0.01%
679	KIAA0577	AB011149	2	0.02%	1	0.01%
680	PTH-responsive osteosarcoma D1 protein	AAD25980.1	2	0.02%	1	0.01%
681	Polyadenylate binding protein	U75686.1	2	0.02%	1	0.01%
682	lymphocyte activation-associated protein	AF123320.1	2	0.02%	1	0.01%
683	calcineurin A2	M29551	2	0.02%	1	0.01%
684	KIAA0610	AB011182	2	0.02%	1	0.01%
685	SRY (sex-determining region Y)-box 5 (SOX5)	NM_006940.1	2	0.02%	1	0.01%
686	glucan (1,4-alpha-), branching enzyme 1(ORF)(glycogen branching enz	NM_000158.1	2	0.02%	1	0.01%
687	p58/GTA (galactosyltransferase associated protein kinase)	M37712.1	2	0.02%	1	0.01%
688	mesenchyme homeo box 2 (growth arrest-specific homeo box) (MEOX	NM_005924.1	2	0.02%	1	0.01%
689	proteasome (prosome, macropain) subunit, alpha type, 2 (PSMA2)	NM_002787.1	2	0.02%	1	0.01%
690	G protein-coupled receptor 64 (GPR64)	NM_005756.1	2	0.02%	1	0.01%
691	germline T-cell receptor beta chain	U66061	2	0.02%	1	0.01%
692	SH3 domain binding glutamic acid-rich protein like (SH3BGRL)	NM_003022.1	2	0.02%	1	0.01%
693	KIAA0256	D87445	2	0.02%	1	0.01%
694	KIAA1102	AB029025.1	2	0.02%	1	0.01%
695	KIAA1380 protein	AB037801.1	2	0.02%	1	0.01%
696	angiopoietin-like 1 (ANGPTL1)	NM_004673.1	2	0.02%	1	0.01%
697	uncharacterized hypothalamus protein HARP11 (HARP11)	NM_018477.1	2	0.02%	1	0.01%
698	multiple PDZ domain protein (MPDZ) = AF093419.1	NM_003829.1	2	0.02%	1	0.01%
699	proto-oncogene tyrosine-protein kinase (ABL) gene	U07563.1	2	0.02%	1	0.01%
700	v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1 (YES1)	NM_005433.1	2	0.02%	1	0.01%
701	inactive progesterone receptor, 23 kD (P23) = L24804.1= Q15185 (orf	NM_006601.1	2	0.02%	1	0.01%
702	histone acetyltransferase 1	AF030424	2	0.02%	1	0.01%
703	small acidic protein (IMAGE145052)	NM_014267.1	2	0.02%	1	0.01%
704	CGI-99 protein = homeobox prox 1= AF100755.1(ORF)	AF151857	2	0.02%	1	0.01%
705	mSin3A (sin3A)	U22394	2	0.02%	1	0.01%
706	CG3450 gene product [Drosophila melanogaster](86% ORF)	AAF57398.1	2	0.02%	1	0.01%
707	ENDOPLASMIN PRECURSOR (94 KD GLUCOSE-REGULATED PRO	spP14625	2	0.02%	1	0.01%
708	gene hY3 encoding a cytoplasmic Ro RNA	V00585.1	2	0.02%	1	0.01%
709	HSPC004	AF070660	2	0.02%	1	0.01%
710	HSPC161	AF161510	2	0.02%	1	0.01%
711	KIAA0205	D86960	2	0.02%	1	0.01%
712	KIAA0238	D87075	2	0.02%	1	0.01%
713	KIAA0716	AB018259.1	2	0.02%	1	0.01%
714	SUMO-1 activating enzyme subunit 2 (UBA2)	NM_005499.1	2	0.02%	1	0.01%
715	TEB4 protein (=AB011169 KIAA0597)	AF009301	2	0.02%	1	0.01%
716	XIST	X56196	2	0.02%	1	0.01%
717	nCL1 gene	X85032.1	2	0.02%	1	0.01%
718	small nuclear ribonucleoprotein D1 polypeptide (16kD) (SNRPD1)	NM_006938.1	2	0.02%	1	0.01%
719	ALEX1 protein (LOC51309)	NM_016608.1	2	0.02%	1	0.01%
720	MHC class II lymphocyte antigen beta-chain (HLA-DPB1)	M28202.1	2	0.02%	1	0.01%
721	cAMP-dependent protein kinase subunit RII-beta	M31158	2	0.02%	1	0.01%
722	protein kinase, cAMP-dependent, regulatory, type I, alpha (tissue spec	NM_002734.1	2	0.02%	1	0.01%
723	rab11a GTPase	AF000231	2	0.02%	1	0.01%
724	rab3 GTPase-activating protein, non-catalytic subunit (150kD) (RAB3-C	NM_012414.1	2	0.02%	1	0.01%
725	Ca2-activated neutral protease large subunit (CANP)	M23254.1	2	0.02%	1	0.01%

Figure 16 - Continued

726	histone H2A.Z= M37583	X52317	2	0.02%	1	0.01%
727	inhibitor of apoptosis protein 2	U45879	2	0.02%	1	0.01%
728	KIAA0594	AB011166	2	0.02%	1	0.01%
729	ring finger protein 13 (RNF13), mRNA /cds=(151,1296) /gb=NM_007256	Hs.6900	2	0.02%	1	0.01%
730	ribosomal protein S18	X69150.1	1	0.01%	1	0.01%
731	ribosomal protein S5 (RPS5)	NM_001009.1	1	0.01%	1	0.01%
732	metallothionein-II (mt-II)	J00271	1	0.01%	1	0.01%
733	v-fos FBJ murine osteosarcoma viral oncogene homolog (FOS)	NM_005252.2	1	0.01%	1	0.01%
734	deiodinase, iodothyronine, type II (DIO2), transCRipt variant 1	gi7549802	1	0.01%	1	0.01%
735	insulin-like growth factor binding protein 5 (IGFBP5) gene	L27556.1	1	0.01%	1	0.01%
736	enhancer-of-split and hairy-related protein 1 (SHARP-1)	AF009329.1	1	0.01%	1	0.01%
737	colon carcinoma laminin-binding protein (=RIBOSOMAL PROTEIN SA)	J03799.1	1	0.01%	1	0.01%
738	transmembrane protein (p63)	X69910	1	0.01%	1	0.01%
739	peroxiredoxin 1 (PRDX1) (=NKEFA)	NM_002574.1	1	0.01%	1	0.01%
740	RIBOSOMAL PROTEIN SA (P40)	spP08865	1	0.01%	1	0.01%
741	WSB-1 isoform	AF106684.1	1	0.01%	1	0.01%
742	high-mobility group (nonhistone chromosomal) protein 17 (HMG17)	NM_005517.1	1	0.01%	1	0.01%
743	prostatic binding protein (PBP)	NM_002567.1	1	0.01%	1	0.01%
744	complement component 1, s subcomponent (C1S)	NM_001734.1	1	0.01%	1	0.01%
745	dual specificity phosphatase 1 (DUSP1)	NM_004417.2	1	0.01%	1	0.01%
746	KIAA0143 gene	D63477.1	1	0.01%	1	0.01%
747	non-metastatic cells 2, protein (NM23B) expressed in (NME2)	NM_002512.1	1	0.01%	1	0.01%
748	high density lipoprotein binding protein (HBP)	M64098	1	0.01%	1	0.01%
749	cathepsin L (CTSL)	NM_001912.1	1	0.01%	1	0.01%
750	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1 (7kD, MNLL)	NM_004545.1	1	0.01%	1	0.01%
751	cyclophilin-related protein (NKTR) gene (=PAC RPC14-613B23)	AF184110.1	1	0.01%	1	0.01%
752	U50HG genes for U50' snoRNA and U50 snoRNA, complete sequence	AB017710	1	0.01%	1	0.01%
753	RAD21 (S. pombe) homolog (RAD21) (=X98294)	gi5453993	1	0.01%	1	0.01%
754	myeloid/lymphoid or mixed-lineage leukemia (trithorax (Drosophila) hom	NM_005935.1	1	0.01%	1	0.01%
755	chaperonin containing TCP1 subunit 4 (delta) (CCT4)	NM_006430.1	1	0.01%	1	0.01%
756	Membrane cofactor protein	X59408.1	1	0.01%	1	0.01%
757	KIAA0349 gene	AB002347.1	1	0.01%	1	0.01%
758	p130 (130K protein)	X76061.1	1	0.01%	1	0.01%
759	ORF2 [Canis familiaris](60%)	AB012223	1	0.01%	1	0.01%
760	karyopherin (importin) beta 1 (KPNB1) (=L38951 importin beta subunit)	gi4504904	1	0.01%	1	0.01%
761	signal peptidase complex (18kD) (SPC18)	NM_014300.1	1	0.01%	1	0.01%
762	hexosaminidase B (beta polypeptide) (HEXB)(ORF)	NM_000521.1	1	0.01%	1	0.01%
763	four and a half LIM domains 1 (FHL1)	NM_001449.1	1	0.01%	1	0.01%
764	fibroblast growth factor 2 (basic)(FGF2)	NM_002006.1	1	0.01%	1	0.01%
765	NADH dehydrogenase(ubiquinone) 1, alpha/beta subcomplex, 1 (8kD,	NM_005003.1	1	0.01%	1	0.01%
766	5T4 oncofetal trophoblast glycoprotein (5T4)	NM_006670.1	1	0.01%	1	0.01%
767	Autosomal Highly Conserved Protein (AHCP) (=DKFZp586G051)	NM_016255.1	1	0.01%	1	0.01%
768	KIAA0853	AB020660.1	1	0.01%	1	0.01%
769	meningioma-expressed antigen 5 (MEA5) (=KIAA0679)	AF036145	1	0.01%	1	0.01%
770	PTEN (PTEN) gene	AF143312.1	1	0.01%	1	0.01%
771	prolylcarboxypeptidase (angiotensinase C) (PRCP)	NM_005040.1	1	0.01%	1	0.01%
772	GLI-Kruppel family member GLI3 (Greig cephalopolysyndactyly syndro	gi4504014	1	0.01%	1	0.01%
773	zinc finger protein 84 (HPF2) (ZNF84)	NM_003428.1	1	0.01%	1	0.01%
774	RNA polymerase II subunit hSRP7	U20659.1	1	0.01%	1	0.01%
775	tubulin-specific chaperone a (TBCA) (=AF038952 cofactor A protein)	gi4759211	1	0.01%	1	0.01%
776	polycystic kidney disease 2 (autosomal dominant)	NM_000297.1	1	0.01%	1	0.01%
777	oxysterol-binding protein	AB017026	1	0.01%	1	0.01%

Figure 16 - Continued

778	ubiquinol-cytochrome c reductase core protein II (UQCRC2)(ORF) = JC	NM_003366.1	1	0.01%	1	0.01%
779	NADH-UBIQUINONE OXIDOREDUCTASE CHAIN 4L	spP03901	1	0.01%	1	0.01%
780	thioredoxin peroxidase (antioxidant enzyme) (AOE372) =U25182(ORF)	NM_006406.1	1	0.01%	1	0.01%
781	cytoskeletal tropomyosin TM30(nm)	X04588.1	1	0.01%	1	0.01%
782	ring finger protein 4 (RNF4)	gi4506560	1	0.01%	1	0.01%
783	TSE1=protein kinase A regulatory subunit	S54711	1	0.01%	1	0.01%
784	SUMO-1-specific protease (KIAA0797)	NM_015571.1	1	0.01%	1	0.01%
785	myosin-binding protein C, cardiac (MYBPC3)	NM_000256.1	1	0.01%	1	0.01%
786	ATP synthase, H transporting, mitochondrial F0 complex, subunit f, iso	NM_004889.1	1	0.01%	1	0.01%
787	hect domain and RLD 2(HERC2) (=KIAA0393)	NM_004667.2	1	0.01%	1	0.01%
788	integrin cytoplasmic domain associated protein (Icap-1a)	AF012023	1	0.01%	1	0.01%
789	BUP	AF078848.1	1	0.01%	1	0.01%
790	KIAA0235	D87078	1	0.01%	1	0.01%
791	PDNP1 gene (nucleotide pyrophosphatase)	AF110304.1	1	0.01%	1	0.01%
792	phosphoribosyl pyrophosphate synthetase subunit I	D00860.1	1	0.01%	1	0.01%
793	wbsCR1 (WBSCR1)	AF045555.1	1	0.01%	1	0.01%
794	proteasome (prosome, macropain) subunit, alpha type, 3 (PSMA3)	NM_002788.1	1	0.01%	1	0.01%
795	CLP (CLPP)	L54057.1	1	0.01%	1	0.01%
796	Tax1 (human T-cell leukemia virus type I) binding protein 1 (TAX1BP1)	NM_006024.2	1	0.01%	1	0.01%
797	platelet-activating factor acetylhydrolase, isoform 1b, alpha subunit (PA	4557740	1	0.01%	1	0.01%
798	transferrin receptor (TFRC) gene	AF187320	1	0.01%	1	0.01%
799	CGI-127 protein	AF151885.1	1	0.01%	1	0.01%
800	microvascular endothelial differentiation gene 1 product	AB026908.1	1	0.01%	1	0.01%
801	vanilloid receptor; CARKL and CTNS; TIP1; P2X5b and P2X5a	AF168787.1	1	0.01%	1	0.01%
802	vitiligo-associated protein VIT-1 (VIT1) (=DKFZp564K2364)	AF264714.1	1	0.01%	1	0.01%
803	small EDRK-rich factor 1, long isoform (SERF1) (=btf2p44)	AF073519.1	1	0.01%	1	0.01%
804	translin	X78627	1	0.01%	1	0.01%
805	ionizing radiation resistance conferring protein (=X83544 DAP-3)	U18321	1	0.01%	1	0.01%
806	CGI-116 protein(LOC51019)(ORF)= AF155655 protein x 0009 mRNA	NM_016053.1	1	0.01%	1	0.01%
807	tropomyosin	M19267	1	0.01%	1	0.01%
808	hXBP-1 transcription factor DNA (=TREB protein)	L13850.1	1	0.01%	1	0.01%
809	KARP-1-binding protein 3 (=KIAA0470)	AB022659.1	1	0.01%	1	0.01%
810	inducible 6-phosphofructo-2-kinase/fructose 2,6-bisphosphatase (IPFK	AF056320	1	0.01%	1	0.01%
811	GTPase activating protein (rap1GAP)	M64788	1	0.01%	1	0.01%
812	guanine nucleotide binding protein (G protein), alpha inhibiting activity	NM_006496.1	1	0.01%	1	0.01%
813	COX VIa-L cytochrome c oxidase liver-specific subunit VIa (EC 1.9.3.1	X15341.1	1	0.01%	1	0.01%
814	integrin, beta 5 (ITGB5)	NM_002213.1	1	0.01%	1	0.01%
815	DNA topoisomerase II (TOP2)	Z15115	1	0.01%	1	0.01%
816	squalene epoxidase	D78129	1	0.01%	1	0.01%
817	Krueppel-related DNA-binding protein (PF4)	M61866	1	0.01%	1	0.01%
818	RNA helicase	AJ223948	1	0.01%	1	0.01%
819	nuclear receptor subfamily 3, group C, member 1 (NR3C1)	NM_000176.1	1	0.01%	1	0.01%
820	potassium channel modulatory factor (=DKFZp434L1021)	AF155652.1	1	0.01%	1	0.01%
821	nuclear phosphoprotein similar to S. cerevisiae	NM_007062.1	1	0.01%	1	0.01%
822	COP9 complex subunit 4 (LOC51138)	NM_016129.1	1	0.01%	1	0.01%
823	endomembrane protein EMP70 precursor isologue	U95973	1	0.01%	1	0.01%
824	adipocyte acid phosphatase beta=phenylarsine oxide-sensitive tyrosyl	S62885.1	1	0.01%	1	0.01%
825	dead box, X isoform (DBX)	AF000982.1	1	0.01%	1	0.01%
826	major histocompatibility locus class III regions Hsc70l (smRNP, G7A, NA	AF109905	1	0.01%	1	0.01%
827	ankyrin G (ANK-3)	U13616.1	1	0.01%	1	0.01%
828	spectrin beta protein (pAZSP 3' end)	X91849.2	1	0.01%	1	0.01%
829	antigen NY-CO-1 (NY-CO-1)	AF039687.1	1	0.01%	1	0.01%



Figure 16 - Continued

830	GS3955	D87119	1	0.01%	1	0.01%
831	HBV pX associated protein-8 (LOC51773)	NM_016578.1	1	0.01%	1	0.01%
832	hyperion gene	AJ010770	1	0.01%	1	0.01%
833	KIAA0090	D42044	1	0.01%	1	0.01%
834	KIAA0170	D79992	1	0.01%	1	0.01%
835	KIAA0379	AB002377	1	0.01%	1	0.01%
836	myeloid cell nuclear differentiation antigen	M81750	1	0.01%	1	0.01%
837	peroxisomal acyl-CoA: dihydroxyacetonephosphate acyltransferase (DHAPAT)	AF043937	1	0.01%	1	0.01%
838	serologically defined colon cancer antigen 1 (SDCCAG1)	NM_004713.1	1	0.01%	1	0.01%
839	suppressor of G2 allele	NM_006704.1	1	0.01%	1	0.01%
840	methylene tetrahydrofolate dehydrogenase (NAD dependent), methylenetetrahydrofolate	NM_006636.1	1	0.01%	1	0.01%
841	aspartyl glucosaminidase (AGA)	X55330	1	0.01%	1	0.01%
842	osteoblast specific cysteine-rich protein, complete cds	AB008375	1	0.01%	1	0.01%
843	glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)	NM_002080.1	1	0.01%	1	0.01%
844	proteinX0008 (AD013)	NM_013395.1	1	0.01%	1	0.01%
845	ubiquitin-activating enzyme E1C (homologous to yeast UBA3) (UBE1C)	gi4507764	1	0.01%	1	0.01%
846	CCAAT-box-binding transcription factor (CBF2)	NM_005760.1	1	0.01%	1	0.01%
847	c-Cbl-interacting protein (CIN85)	AF230904.1	1	0.01%	1	0.01%
848	GA-binding protein transcription factor, beta subunit 1 (53kD) (GABPB)	NM_016654.1	1	0.01%	1	0.01%
849	thyroid receptor interactor (TRIP3)	L40410.1	1	0.01%	1	0.01%
850	ZNF01 and HUMORFKG1B genes, partial sequence	AF205588.1	1	0.01%	1	0.01%
851	endoplasmic reticulum luminal Ca <sup>2+</sup> binding protein grp78	AF216292.1	1	0.01%	1	0.01%
852	leukophysin (LKP) = NM_001357.1 DEAD/H box polypeptide 9 (DDX9)	U03643.1	1	0.01%	1	0.01%
853	CGI-129 protein	AF151887.1	1	0.01%	1	0.01%
854	CGI-86 protein (LOC51635)	NM_016029.1	1	0.01%	1	0.01%
855	LIC-2 dynein light intermediate chain 53/55	U15138.1	1	0.01%	1	0.01%
856	protein 4.1-G, erythrocyte membrane protein (clone 24719)	AF054999	1	0.01%	1	0.01%
857	tropomodulin (TMOD)	M77016	1	0.01%	1	0.01%
858	TIP120 (=AB020636 KIAA0829)	D87671	1	0.01%	1	0.01%
859	orphan G protein-coupled receptor (RDC1)	U67784	1	0.01%	1	0.01%
860	mitogen-activated protein kinase 14 (MAPK14)	4503068	1	0.01%	1	0.01%
861	ralA binding protein 1 (RALBP1)	NM_006788.1	1	0.01%	1	0.01%
862	C-type lectin	BAA95671.1	1	0.01%	1	0.01%
863	non-histone chromosomal protein HMG-14	M21339.1	1	0.01%	1	0.01%
864	NCK adaptor protein 1(NCK1)=X17576 melanoma mRNA for nck protein	NM_006153.1	1	0.01%	1	0.01%
865	cargo selection protein TIP47 (TIP47)(=PP17)	AF057140	1	0.01%	1	0.01%
866	CGI-43 protein	AF151801.1	1	0.01%	1	0.01%
867	DNA repair helicase (ERCC3)	M31899.1	1	0.01%	1	0.01%
868	UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase (T1)	X85018	1	0.01%	1	0.01%
869	SMT3 (suppressor of mif two 3, yeast) homolog 1 (SMT3H1)	NM_006936.1	1	0.01%	1	0.01%
870	solute carrier family 20 (phosphate transporter), member 1 (SLC20A1)	7382462	1	0.01%	1	0.01%
871	glycogen phosphorylase	Y15233	1	0.01%	1	0.01%
872	ribonuclease L (2',5'-oligoadenylate synthetase-dependent) inhibitor	4506558	1	0.01%	1	0.01%
873	lymphocyte dihydropyrimidine dehydrogenase (DPYD)	U20938	1	0.01%	1	0.01%
874	ubiquitin carboxyl-terminal esterase L3 (ubiquitin thioesterase) (UCHL1)	NM_006002.1	1	0.01%	1	0.01%
875	nuclear receptor coactivator (=TRBP)	AF245115	1	0.01%	1	0.01%
876	serine kinase SRPK2	U88666	1	0.01%	1	0.01%
877	acyl-coenzyme A:cholesterol acyltransferase (ORF)	L21934.2	1	0.01%	1	0.01%
878	NADP dependent cytoplasmic malic enzyme (=U43944)	X77244	1	0.01%	1	0.01%
879	leucine rich repeat (in FLII) interacting protein 1 (LRRFIP1) (=GCF2)	NM_004735.1	1	0.01%	1	0.01%
880	metalloprotease/disintegrin/cysteine-rich protein precursor (MDC9) (=D)	U41766	1	0.01%	1	0.01%
881	host cell factor 2 (HCF-2)	NM_013320.1	1	0.01%	1	0.01%

Figure 16 - Continued

882	X-ray repair complementing defective repair in Chinese hamster cells 4	gi4507944	1	0.01%	1	0.01%
883	cardiac myosin binding protein-C (ORF)	X84075	1	0.01%	1	0.01%
884	unc-50 related protein homologue	AF077038.1	1	0.01%	1	0.01%
885	activated in tumor suppression	AJ012502.1	1	0.01%	1	0.01%
886	cytokine-inducible SH2 protein 6 (CISH6) (=AB014571 KIAA0671)	AF073958.1	1	0.01%	1	0.01%
887	DAPIT protein	AJ271158	1	0.01%	1	0.01%
888	HepG2 3' region Mbol cDNA, clone hmd3c06m3	D17196.1	1	0.01%	1	0.01%
889	KIAA0006	D25304	1	0.01%	1	0.01%
890	KIAA0041	D26069	1	0.01%	1	0.01%
891	KIAA0095 gene	NM_014669.1	1	0.01%	1	0.01%
892	KIAA0227	D86980	1	0.01%	1	0.01%
893	KIAA0862=leucine-rich repeat protein SHOC-2 (SHOC-2)=AF054828	AB020669	1	0.01%	1	0.01%
894	KIAA0934 protein	AB023151.1	1	0.01%	1	0.01%
895	KIAA0997	NM_014950.1	1	0.01%	1	0.01%
896	KIAA1033	AB028956.1	1	0.01%	1	0.01%
897	KIAA1423	AB037844.1	1	0.01%	1	0.01%
898	La/SS-B protein	X69804	1	0.01%	1	0.01%
899	maternal-embryonic 3 (Mem3)	U47024	1	0.01%	1	0.01%
900	PB1	X90849	1	0.01%	1	0.01%
901	SCID complementing gene 2	D78188.1	1	0.01%	1	0.01%
902	TCTEL1 (t-complex-associated-testis-expressed 1-like 1)	D50663.1	1	0.01%	1	0.01%
903	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetyl-galactosam	gi8393408	1	0.01%	1	0.01%
904	galactocerebrosidase (GALC) gene	L38559	1	0.01%	1	0.01%
905	QUINONE OXIDOREDUCTASE (NADPH:QUINONE REDUCTASE) (Z	spQ08257	1	0.01%	1	0.01%
906	proline arginine-rich end leucine-rich repeat protein (PRELP) =U29089	NM_002725.1	1	0.01%	1	0.01%
907	selenoprotein T(LOC51714)	NM_016275.1	1	0.01%	1	0.01%
908	eukaryotic translation initiation factor 2 alpha kinase PEK	AF110146	1	0.01%	1	0.01%
909	EUKARYOTIC TRANSLATION INITIATION FACTOR 5 (EIF-5)	spP55010	1	0.01%	1	0.01%
910	translational inhibitor protein p14.5 (UK114) = X95384.1	NM_005836.1	1	0.01%	1	0.01%
911	translin associated protein X	X95073	1	0.01%	1	0.01%
912	ATP-dependent metalloprotease YME1L (contains Alu repeat)	AJ132637.1	1	0.01%	1	0.01%
913	proteasome subunit p42	D78275	1	0.01%	1	0.01%
914	sorting nexin 14 (SNX14)	AF121863.1	1	0.01%	1	0.01%
915	TIMP3 tissue inhibitor of metalloproteinases-3	X76227	1	0.01%	1	0.01%
916	ubiquitin conjugating enzyme, UbcH6	X92963	1	0.01%	1	0.01%
917	ubiquitin-conjugating enzyme E2D 3 (homologous to yeast UBC4/5) (U	NM_003340.1	1	0.01%	1	0.01%
918	ubiquitin-conjugating enzyme E2L 6 (UBE2L6) =AF061736 ubiquitin-co	NM_004223.1	1	0.01%	1	0.01%
919	WDR1 protein	AF020260	1	0.01%	1	0.01%
920	kaiso (ZNF-kaiso)	gi5803228	1	0.01%	1	0.01%
921	retinoblastoma-binding protein 2 (RBBP2)	NM_005056.1	1	0.01%	1	0.01%
922	Nuclear protein SA-2 (=STAG2)	Z75331.1	1	0.01%	1	0.01%
923	small nuclear ribonucleoprotein polypeptide B" (SNRPB2)	NM_003092.1	1	0.01%	1	0.01%
924	mitochondrial 12S and 16S rRNA	J01438	1	0.01%	1	0.01%
925	pre-mRNA cleavage factor Im (68kD) (CFIM) (=X67336)	5901927	1	0.01%	1	0.01%
926	male-specific lethal-3 (Drosophila)-like 1 (MSL3L1) (=DKFZp586J1822	NM_006800.1	1	0.01%	1	0.01%
927	nuclear protein stromal antigen 1 (SA-1)	NM_005862.1	1	0.01%	1	0.01%
928	coagulation factor V (proaccelerin, labile factor) (F5)	NM_000130.1	1	0.01%	1	0.01%
929	truncated SON protein (Son) (=AF161430.1 HSPC312)	AF193607.1	1	0.01%	1	0.01%
930	CGI-107 protein	AF151865.1	1	0.01%	1	0.01%
931	CGI-60 protein (LOC51626),	NM_016008.1	1	0.01%	1	0.01%
932	CGI-81 protein	AF151839.1	1	0.01%	1	0.01%
933	Norrie disease protein (NDP)	X65882	1	0.01%	1	0.01%

Figure 16 - Continued

934	osteonidogen (=AJ223500 nidogen-2)	D86425	1	0.01%	1	0.01%
935	adapter protein CMS	AF146277.1	1	0.01%	1	0.01%
936	keratin 18 (K18)	M24842	1	0.01%	1	0.01%
937	myotubularin related protein 6	AF072928	1	0.01%	1	0.01%
938	nucleoporin p54	U63840	1	0.01%	1	0.01%
939	B219/OB receptor isoform HuB219.1	U52912	1	0.01%	1	0.01%
940	G protein-coupled receptor 69A (GPR69A) (=p40)	NM_006055.1	1	0.01%	1	0.01%
941	h-ryk	X69970.1	1	0.01%	1	0.01%
942	RYK tyrosine kinase	S59184.1	1	0.01%	1	0.01%
943	low-Mr GTP-binding protein (RAB32)	U59878	1	0.01%	1	0.01%
944	abundant in neuroepithelium area (BTG3) (=D64110 ANA)	gi5802989	1	0.01%	1	0.01%
945	glioblastoma amplified sequence (GBAS)	AF029786	1	0.01%	1	0.01%
946	macrophage-specific colony-stimulating factor (CSF-1)	M37435.1	1	0.01%	1	0.01%
947	monocyte chemotactic protein-3 (MCP-3)	X72308	1	0.01%	1	0.01%
948	ecotropic viral integration site 5 (EVI5)	NM_005665.1	1	0.01%	1	0.01%
949	potassium voltage-gated channel, delayed-rectifier, subfamily S, mem	NM_002252.1	1	0.01%	1	0.01%
950	integrin, alpha V(vitronectin receptor, alpha polypeptide, antigen CD51)	NM_002210.1	1	0.01%	1	0.01%
951	chromodomain protein, Y chromosome-like (CDYL) =AF081259	NM_004824.1	1	0.01%	1	0.01%
952	GTP-binding protein RAB21 (RAB21) = KIAA0118	AF091035	1	0.01%	1	0.01%
953	neuronal apoptosis inhibitory protein	U19251	1	0.01%	1	0.01%
954	proto-oncogene (Wnt-5a)	L20681.1	1	0.01%	1	0.01%
955	tumor necrosis factor alpha-induced protein 6 (TNFAIP6)	NM_007115.1	1	0.01%	1	0.01%
956	solute carrier family 16 (monocarboxylic acid transporters), member 7	NM_004731.1	1	0.01%	1	0.01%
957	5' cap guanine-N-7 methyltransferase (RNMT)	AF067791.1	1	0.01%	1	0.01%

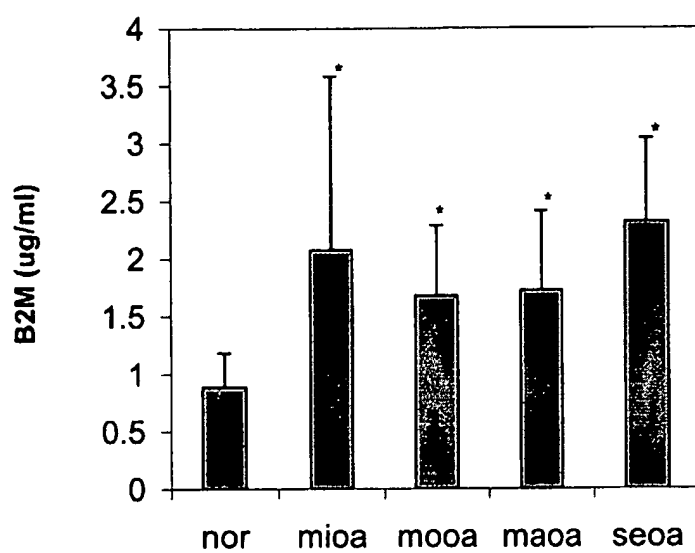
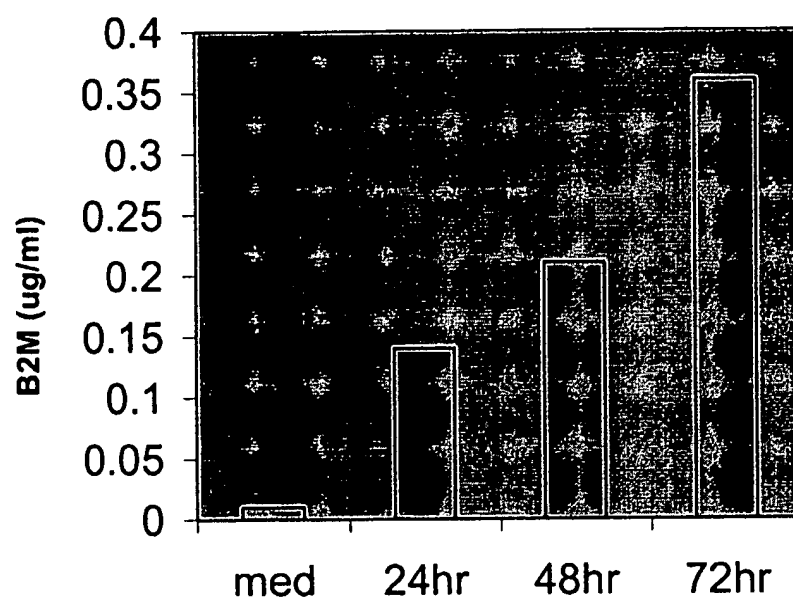
**Figure 17 - B2M level in synovial fluid**

Figure 18 - B2M levels in severe OA cartilage cultured medium



**Figure 19 - Differential gene expression of B2M treated chondrocytes detected by microarray**

